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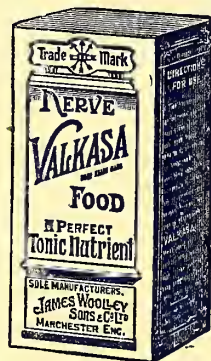
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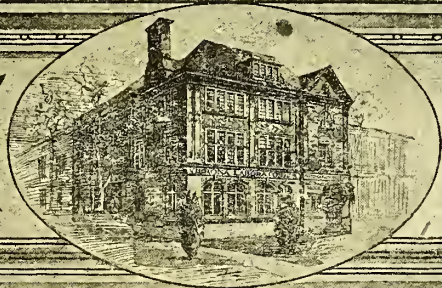
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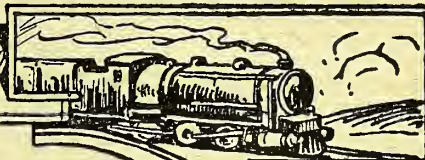
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of Pharmaceutical and Photographic Products.*

R. W. Greeff & Co.

THAMES HOUSE, QUEEN ST. PLACE, LONDON, E.C.4

MANCHESTER BRANCH:

Lloyds Bank Buildings, King Street.

NEW YORK AGENTS:

R. W. Greeff & Co., Inc., 80, Maiden Lane.

This Prospectus has been Filed with the Registrar of Joint Stock Companies.

No part of the proceeds of this issue is to be applied for Capital purposes outside the United Kingdom or to replace money which has been so applied.

Application is being made to the Committee of the Stock Exchange for special permission to deal in these shares after allotment.

THE SUBSCRIPTION LIST WILL CLOSE ON OR BEFORE 10th MAY, 1919.

LEVER BROTHERS LIMITED,

PORT SUNLIGHT, CHESHIRE.

(Incorporated under the Companies Acts, 1862 to 1890.)

CAPITAL.

AUTHORISED. £	ISSUED AND FULLY PAID. £
4,000,000 in 400,000 5% Cumulative first Preference Shares of £10 each	4,000,000
6,000,000 in 6,000,000 6% Cumulative "A" Preference Shares of £1 each	5,750,000
10,000,000 in 10,000,000 Cumulative "B" Preference Shares of £1 each (entitled to dividend at a rate to be fixed at the time of issue. 2,000,000 have been issued at 6½%)	2,000,000
10,000,000 in 10,000,000 Cumulative "C" Preference Shares of £1 each (entitled to dividend at a rate to be fixed at the time of issue)	
10,000,000 in 10,000,000 15% Cumulative Preferred Ordinary Shares of £1 each	2,313,014
10,000,000 in 10,000,000 20% Cumulative Preferred Ordinary Shares of £1 each	750,000
5,000,000 in 20,000,000 5% Cumulative "A" Preferred Ordinary Shares of 5s. each	417,378
5,000,000 in 500,000 Ordinary Shares of £10 each	2,000,000
60,000,000	17,230,392

The respective shares rank for priority as regards both Capital and Dividend in the order of the Authorised Capital set out above.

A member is entitled to one vote for every share of £10, one vote for every 10 shares of £1 and one vote for every 40 shares of 5s.

CO-PARTNERSHIP CERTIFICATES.

After payment of all Preference and Preferred Ordinary dividends and 5 per cent on the Ordinary shares in respect of any year further amounts available for distribution are subject to the terms of a Co-Partnership Trust Deed made in 1909 and Supplemental Deeds thereto under which employees of the Company and its Associated Companies participate on Co-Partnership Certificates held. The terms of the Deeds do not affect the rights of the Preference and Preferred Ordinary shareholders.

ISSUE OF

2,000,000 6½% Cumulative "B" Preference Shares of £1 each at par, payable as follows:—

1s. per Share on application.

19s. per Share on 26th June 1919.

The "B" Preference Shares now offered for subscription will rank *pari passu* with the "B" Shares already issued, and the Dividend thereon will accrue as from the 1st July 1919.

Applications from shareholders will receive special consideration.

DIRECTORS.

THE RIGHT HON. LORD LEVERHULME (Chairman).
THE HON. WILLIAM HULME LEVER (Acting Chairman).
JOHN GRAY (Vice-Chairman).
JAMES LEVER FERGUSON.

EDMUND VANNUTELLI SALAMAN.
CLARENCE CHARLES KNOWLES.
JOHN LOUDON BUCHANAN.
HAROLD ROBERT GREENHALGH.
JOHN McDOWELL.
WILLIAM KEAY FINDLAY.
CHARLES EDMUND TATLOW.
GILBERT WHEATON FOX.
MAJOR GENERAL S. S. LONG, C.B.
JOHN INGLIS.
JAMES LOMAX SIMPSON.
HARRY GOODWIN HART.

BANKERS.

LONDON COUNTY, WESTMINSTER & PARR'S BANK LIMITED, 41 Lothbury, London, E.C.2, and Branches.
MANCHESTER & LIVERPOOL DISTRICT BANKING COMPANY LIMITED, Liverpool, Manchester, London and Branches.
BARCLAYS BANK LIMITED, 54 Lombard Street, London, E.C.3, and Branches.

BROKERS.

R. NIVISON & CO., Bank Buildings, Princes Street, London, E.C.2.
FOSTER & BRAITHWAITE, 27 Austin Friars, London, E.C.2.
R. J. TILNEY & CO., 14 Castle Street, Liverpool.
LAWSON & ORMDROD, 4 Norfolk Street, Manchester.

SOLICITORS.

SIMPSON, NORTH, HARLEY & CO., 1 Water Street, Liverpool.

AUDITORS.

COOPER BROTHERS & CO., 14 George Street, Mansion House, London, E.C.4.

SECRETARY AND REGISTERED OFFICE.

L. V. FILDES, Port Sunlight, Cheshire.

PROSPECTUS.

The present Company of Lever Brothers Limited was formed in 1894 with a Capital of £1,500,000 to acquire the business of Soap and Glycerine Manufacturers carried on at Port Sunlight and elsewhere prior to the 17th May 1890 by the firm of Lever Brothers and subsequently by Lever Brothers Limited (incorporated in 1890) the Vendors to the present Company. The Company has from time to time by various resolutions duly passed and confirmed increased its Authorised Capital to £60,000,000 of which there has been issued £17,230,392 5s. in the various classes of shares now existing and set out above.

In addition to its business at Port Sunlight the Company holds interests in over 90 Associated Companies with numerous Branches or Selling Agencies throughout the World. The Works and Plant other than those in the War area are in efficient working order and repair. Full provision has been made for Depreciation.



HIGH CLASS SURGICAL DRESSINGS

Telephone: 694 Stockport.
Telegraphic and } "Undisputed"
Cable Address: } Stockport."

CODES: { 5th Edition ABC,
Marconi and
Lieber's.

QUALITY !

TO buy the best pays in the long run.*

ENCOURAGE your customers to use the best only and always.

LET them see the contents of packages, and if those you have now won't bear inspection, better clear them and adopt ours.

LABELLING is an aid to selling, but people don't like "camouflage." A customer lost through inferior material is hard to regain.

STABILISE your business by exhibiting Bailey's best qualities. They will help you, and you can have perfect confidence in selling them.

British made and British owned.

ONLY London Address—

52 CRAVEN HOUSE, KINGSWAY, W.C. 2.

Phone: 6867 GERRARD.

ROBERT BAILEY & SON,
SURGICAL DRESSING MANUFACTURERS,
MARRIOTT STREET MILLS, STOCKPORT.
CABLES UNDISPUTED, STOCKPORT. CODE A.B.C 5TH EDITION.



PUT THE
Ker-nak
 BOY
 IN YOUR WINDOW
 NOW!

EXPENSIVE MODEL LENT FREE.

This beautifully coloured figure, standing 24 inches high, will be sent securely packed in crate, carriage paid, to every chemist purchasing **Ker-nak Pills to the value of 50/-**. These will be supplied on the usual Window Show Terms of 5 per cent.

The only stipulation is that, after 2 weeks' show, the Ker-nak Boy must be sent to a new address which will be supplied.

ORDER FORM.

NAME

Address

Date

To Messrs. C. E. Fulford, Ltd., Carlton Hill, Leeds.

Please send "Ker-nak Boy." I agree to give 2 weeks' window display, and forward the figure (carriage at your expense) to a new address which will be supplied. I enclose order which includes at least 50/- value of Ker-nak.

Yours truly,

Signature

PRICES OF KER-NAK: 1/3 size, 12/6 doz.; 3/- size, 28/- doz. (Minimum Prices Face Value)

USE COLLOIDAL DRUGS

CROOKES'

*All clinical reports confirm
the superiority of Colloidal
over molecular solutions.*



*are Colloidal Drugs, adopted
by the medical profession
and hospitals.*

SPECIAL COLLOIDS.

COLLOSOL ARGENTUM.

A non-toxic antiseptic, for all purposes, by tropical application. Indicated in affections of the Throat, Ear, Nose and Eye—especially in Influenza. Also by internal administration, in diarrhoea and intestinal disorders.

COLLOSOL SULPHUR BATHS.

Indicated in Rheumatism and skin affections. (See "British Medical Journal," 12th May, 1917.) These baths are more potent than any natural sulphur waters, contain no impurities, no free sulphuretted hydrogen, and do not injure the home bath.

COLLOSOL IODINE.

(1) Aqueous. (2) Pasta. (3) Oil. (4) Ointment.
Stainless and Non-irritant. Never causes iodism. Specially recommended by the Medical Profession, avoiding the disadvantages of Tincture of Iodine, and of Potassium Iodide.

COLLOSOL FERROMALT.

An ideal food-tonic, containing the best principles of meat and malt, in combination with colloidal iron, in which form alone iron is perfectly assimilable and avoids constipation and digestive troubles.

COLLOSOL SULPHUR OIL.

Specially prescribed for disorders of the scalp and loss of hair.

DOUSHOL.

An entirely non-toxic and non-corrosive colloidal douche, which, unlike the powerful intra-uterine douches, increases epithelial activity. Antiseptic, pleasant in odour, and may be used *ad libitum*.

COLLOSOL SUPPOSITORIES and PESSARIES.

Specially indicated in piles and leucorrhœa.
Also Suppositories and Pessaries of Cocaine and Quinine for special purposes.

PRICES FULLY PROTECTED.

Profit to Chemists 33 $\frac{1}{3}$ % on outlay, or 25% on returns.

SEND FOR PARTICULARS AND LITERATURE.

COLLOSOLS are prepared for the Proprietors, Crookes' Collosols Ltd., at

THE CROOKES' LABORATORIES,
50 Elgin Crescent, LONDON, W. 11.

Concentrate on Concentrations!

PAGE 15
AYRTON'S

Ayrton's Concentrated Liquors for the preparation of Tinctures are standardised to produce Preparations that completely answer the requirements of the British Pharmacopœia, and rival in elegance the tinctures made in the ordinary way.

In the compounding of Proprietary Mixtures, they enable the full dose of the medicament to be given, and a considerable saving to be effected by economising Spirit in those cases where Spirit is not essential to efficacy.

Where space is a consideration, the advantage is obvious—the various Tinctures can be made in sufficient quantities as required, whilst business can be carried on with a much smaller stock of Spirit than is necessary when Tinctures are bought ready-made.

DIRECTIONS FOR DILUTING TO THE CORRESPONDING TINCTURE ARE GIVEN ON EACH LABEL.

Eight times the strength.

	(1-7)	per lb.
Liquor Arnicae Flor. pro Tr.	11/6	
" Aurant.	10/6	
" Belladonna	13/9	
" Calumbae	12/0	
" Camph. Co.	12/0	
" Cantharidin	12/0	
" Capsici	7/0	
" Digitalis	8/0	
" Gentian. Co.	6/9	
" Hyoseyami	18/0	
" Lavand. Co.	13/0	
" Nucis Vomicae	6/3	
" Opii	71/0	
" Zingiberis	9/3	

Four times the strength.

	(1-3)	per lb.
Liquor Asafoetida, pro Tr.	10/6	
" Benzoin Co.	16/0	
" Buchu	18/0	
" Card Co.	5/3	
" Catechu	5/9	
" Cinchonae	5/6	
" Cinchonae Co.	9/6	
" Iodi	12/0	
" Limonis	11/0	
" Myrrh	11/3	
" Rhei Co.	6/6	
" Scillae	5/6	
" Senegae	15/6	
" Valerian Ammon.	11/6	

2½% Monthly Account.

Aspirin Tablets

white, odourless and perfect in finish:

25's 50's 100's 1000

4/11 8/- 14/1 8 9

Cartoned 5/3 8/5 14/7 —

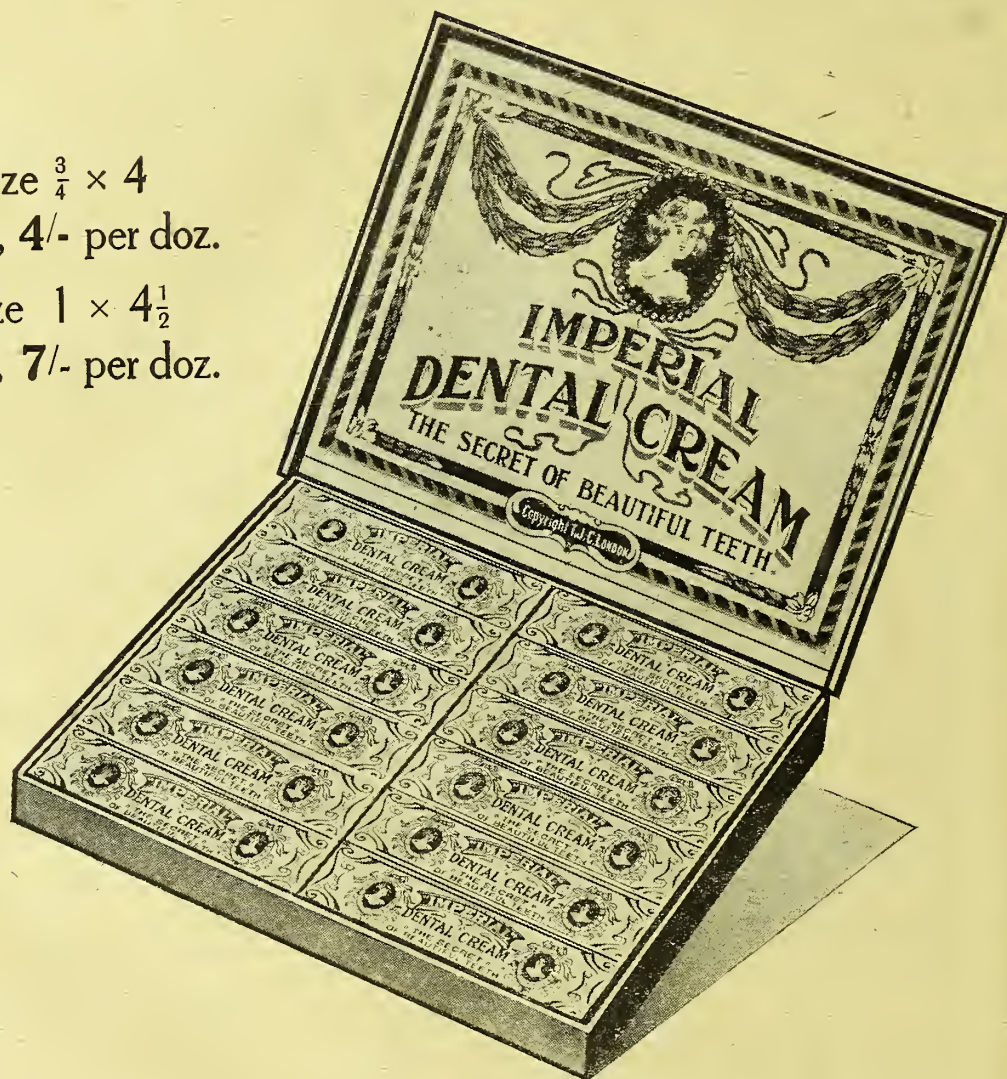
2½% Monthly Account.

AYRTON, SAUNDERS & Co. Ltd.
LIVERPOOL

TWO LINES

Size $\frac{3}{4} \times 4$
Price, 4/- per doz.

Size $1 \times 4\frac{1}{2}$
Price, 7/- per doz.



Acknowledged as the two best DENTAL CREAMS made

Order through your Wholesaler.

SOLE MANUFACTURERS AND PROPRIETORS—

THE JACKSON CO

THAT PAY



Size $\frac{3}{4} \times 4$
Price, 4/6 per doz.

Size $1 \times 4\frac{1}{2}$
Price, 8/- per doz.

2 ST. JOHN ST., LONDON, E.C. 1

CROSFIELDS' CHEMICALLY PURE GLYCERINE. PYRAMID BRAND.



The finest Glycerine obtainable for medicinal purposes. Absolutely pure. Guaranteed to stand all the tests of the British Pharmacopœia.

IN 14 $\frac{1}{2}$ 28 $\frac{1}{2}$ & 56 $\frac{1}{2}$ TINS. (WOODEN CASES)
1, 2 $\frac{1}{2}$, 5 & 10 CWT. DRUMS. (RETURNABLE)

JOSEPH CROSFIELD & SONS LTD Chemical Manufrs. WARRINGTON.

BRITISH MADE TIN FOIL

Highly polished foils—printed, lacquered, embossed or plain. Guaranteed free from lead for tobacco, cigarettes, food-stuffs, etc. In sheets or reels—large or small quantities.

Also collapsible tubes in pure tin, pure lead or lead-coated with tin for rubber solution, artists' colours, tooth pastes and other toilet preparations.

Manufactured by

Venesta Ltd.
1, Great Tower St. Ec
London
England

Facsimile of one of our Striking Showcards.

IT IS DIFFERENT!



NOT MERELY A
PLEASANTLY
FLAVOURED
DENTIFRICE

BUT A
SCIENTIFIC PREPARATION

TO
WHITEN THE TEETH
PREVENT DECAY &
KEEP THE MOUTH
& GUMS HEALTHY

Smokers will appreciate it!

Contains 40% Chlorate of Potash.
P.A.T.A. Profit 50%.

CUXSON, GERRARD & CO., Ltd., Oldbury

ELEY BROTHERS, LIMITED

specialise in the manufacture of
the following articles at the lowest
prices :

Shaving Stick Cases

Oval and Round Tops

for Powder Tins, Cruets, Dredgers, etc.

Metal Boxes

for Dentifrices, Soap Tablets, etc.

Ferrules

for Walking Sticks, Whips, Bamboo
Fittings, etc.

Pencil Fittings

in any of the following metals : Brass,
Copper or White metal (nickel or silver
plated) Aluminium and Jewellers'
Metal (Tombac).

*During the continuance of the War we cannot
undertake orders to make any of the above goods
requiring one or more of the metals for their manu-
facture of which the use for commercial purposes
has been prohibited by H.M. Government; but we
invite inquiries, as we still have some articles in stock
which were made before the prohibition was issued.*

ELEY BROTHERS, Ltd.

(Dept. 21), Edmonton, London, N.



The EVAN WILLIAMS'
ORIGINAL
Henna Shampoo

There is No Greater Attraction
or better selling line than
EVAN WILLIAMS'—
THE ORIGINAL AND ONLY
GENUINE HENNA SHAMPOO.

The Evan Williams' factory is wholly
devoted to the study, development and
production of Evan Williams' Original
Henna Shampoo. We are the Henna
Specialists. Our reputation relies upon
the maintenance of an extremely high
standard of quality, therefore you are
only safe in stocking the Evan Williams'
Original Henna Shampoo—

THE SHAMPOO WITH A REPUTATION.

By stocking this wonderful Hair
Rejuvenator and Beautifier you will
attract the best class of trade to your
establishment.

The EVAN WILLIAMS Co. Ltd.
13 & 13a OGLE ST. FOLEY ST. LONDON W.I.

(3)

VEN-YUSA PREPARATIONS

Special Window Show Offer

YOU purchase an assorted Parcel of Ven-Yusa Cream, Soap, and Shampoo Powders value	£2 10 0
WE allow you for Showing Cards	0 5 9
Nett Credit Terms	£2 4 3
IF CASH ENCLOSED deduct 2½%	0 1 3
Nett amount to send	£2 3 0

Your Profit on the Investment will be 50%

Larger Orders are accepted on pro-rata terms, 2½% extra allowed on orders of 12 times above quantities, if cash with order.

MINIMUM PRICES FACE VALUE.

ORDER FORM.

To Messrs. C. E. FULFORD, LTD., Carlton Hill, Leeds.

Date.....

Dear Sirs,—Please supply on Window Show Terms £ s. d.

.....Gross.....Doz. 1/- Size Ven-Yusa Cream	@ 9/3 doz.
.....Gross.....Doz. 6d. " " Soap	@ 4/6 "
.....Gross.....Doz. 1/6 " " Shampoo Pdrs. @	13/6 "
	(7 3d. Shampoos in pkt.)
.....Gross.....Doz. 3d. pkts " " Shampoo Pdrs. 22/- gross	
	(6 doz. Cartons only.)

Remittance enclosed £ : : £

Name and Address

MINIMUM PRICES FACE VALUE.

NOTE.—If Cash does not accompany Order, references should be given for New A/cs.
Credit Terms are Strictly Nett, 30 days.

FIELD'S
"SIANARA" Toilet Soap
 (Regd.)
With the Enchanting Perfume of OLD JAPAN.

SUPPLIED IN STANDARD 4d. SIZE AND SHAPE.

ALSO IN

4d., 5d., 6d., and 7d. ROUND BATH.

WE CAN NOW GIVE IMMEDIATE DELIVERY, AND CAN ALSO
 SUPPLY A NEW GLASS 'CHANGE DISH' ADVERTISEMENT FOR
 COUNTER, WITH ORDERS FOR ONE GROSS TABLETS.

J. C. & J. FIELD, Ltd., Toilet Soap Experts. **LONDON, S.E.1.**

Telegrams: "OZOKERIT, PHONE, LONDON."

ESTABLISHED 1642.

Telephone: HOP 3905.

Enolin

TOOTH PASTE

"STRONG" OR "MILD"

The Super Paste.

SOLE MANUFACTURERS & PROPRIETORS:

A. & E. CARRERAS, *Perfumers,*

Offices: 207 King St., Hammersmith, London, W. 6.

Telephone:

HAMMERSMITH 600.

Telegrams:

"ESOLINDOL, HAMMER,
 LONDON."



PIN
your
FAITH
to
SEMREH
SELF-FIXING
BOTTLE CAPS.
They cannot be sur-
passed, no matter
what you pay.
Particulars from
THE VISCOSE
Development Co., Ltd.,
BROMLEY, KENT.

"RAILOX" NIT DESTROYER

QUICK-SELLING LINE. EFFECTIVE.
ATTRACTIVELY PACKED.
→ SHOWS LIBERAL PROFIT. ←
NON-POISONOUS.

Retail 3d. and 7½d. per packet.

Advertising Matter supplied with each Order.

MILNER'S CHEMICAL CO., LIVERPOOL

F. M. RUDD,
Bronson,
MICHIGAN,
U.S.A.

GENUINE AMERICAN PEPPERMINT OIL

"Columbia" Natural
"Diamond White"
Re-distilled.

Finest qualities for Druggists,
Distillers and Confectioners.

Sole Consignees in United Kingdom—

R. W. GREEFF & CO.

Thames House,
Queen St. Place, LONDON, E.C.

'Ongard'

Guarded
Coil



Safety Pins

RUST
PROOF.

For Surgical & Nursery Purposes.

SOLE MANUFACTURERS

GEORGE GOODMAN LTD.,
BIRMINGHAM.

Stocked by **JAMES L. HATRICK & CO., LTD.,**
70 St. John St., Clerkenwell Rd., LONDON, E.C. 1.

A Dissatisfied Customer

does not buy again from your shop!



AMAMI
Regd.
SHAMPOO
OF EGYPTIAN HENNA
AND "XULOL"

Amami Shampoo of Henna is a delightful preparation for
cleansing the hair and scalp and contains just enough
henna to tint the hair but does not alter its shade. The
Xulol, in combination with other ingredients, is essential
to hair health, imparts marvellous tonic, brightening and
beautifying qualities.

Dissolve in half a pint of warm water
then apply to the hair and rub well in till
a rich lather is obtained. Rinse and dry.

THIS LABEL IS ISSUED ONLY BY PRICHARD & CONSTANCE LONDON NEW YORK & BOSTON
AVOID ALL IMITATIONS

If **Amami Shampoo of Henna** is
asked for—**Amami Shampoo of
Henna** is wanted—and no other.

There is only one **Amami Shampoo
of Henna**; it bears the above label,
and **it gives satisfaction.**

If you sell a substitute you do not
satisfy your customer.

Sell **Amami Shampoo**, satisfy your cus-
tomer and build up a good reputation.

It pays—and **Amami Shampoo** bears a
big profit. A gross costs 27/- and
sells for 48/-: nearly 80% profit.

And a £5 order carries in addition a
Window Display Bonus of 10/- worth
of **Amami Toilet Specialities**, and is
Carriage Paid.

Send a £5 order at once (any
assortment), and **make a window
display.**

PRICE LIST ON APPLICATION.

**The PRICHARD & CONSTANCE
MANUFACTURING CO., Limited**
469 Holloway Road, N. 7.



MANUFACTURERS
OF



Collapsible Metallic Tubes

For Artists' Colours, Tooth Pastes, Lanoline, &c.



SPRINKLERS

FOR
Perfume Bottles and Hair Washes.

METAL CAPS

FOR
Glass Jars and Toilet Preparations.



24 CITY ROAD, FINSBURY SQUARE, LONDON, E.C. 1

1

IMMEDIATE DELIVERY

GATES' BOTTLE CAPPING SKINS



SNOW-WHITE OPAQUE ROLLED SKINS.

SOMETHING QUITE NEW. These Skins are damp and READY FOR USE. The raw material for Baudruche manufacture being now unobtainable, I have put this new production on the market in its place. ABSOLUTELY AS OPAQUE as Split skins and equal in appearance.

"Mine beat all others."



Sole Pioneer and Only English Manufacturer :

LESLIE GATES
HAILSHAM, SUSSEX.

Another New Speciality.—Try my
TRANSPARENT SHEEP BAUDRUCHE
CAPPING SKINS.

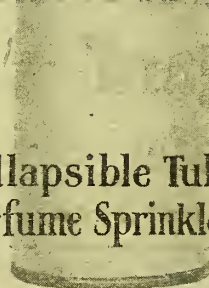
THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.

BRITISH MADE



Tin Boxes Canisters

Collapsible Tubes
Perfume Sprinklers



THE JOHN DALE MFG. COY.
New Southgate, LONDON. N.

Yellow and Gold — The Tin "Regina's" in.

The yellow and gold tin, and the purple carton of Price's "Regina" Shaving Stick are right worthy of a place on your counter.

Well-advertised, highly profitable and a really high-class line.

PRICE'S REGINA SHAVING STICK

(Retail price 1/-)

IS IN CONSTANT DEMAND.

Have YOU had our sample?

PRICE'S, BATTERSEA, LONDON, S.W. 11.



22/6 Profit

on 22/6 Cost

is made by Chemists who show Anthony Leighton Best Shampoo for Children.

Showing is all that's needed. Mothers buy at sight because Anthony Leighton keeps the little ones' heads clean in a nice way.

Advertised Everywhere. P.A.T.A. 6d. per packet (containing two shampoos).

Order through your Wholesaler or direct from:—



THE LEIGHTON
LABORATORIES,

35 Gray's Inn Road,
HOLBORN,
LONDON, W.C. 1.

Telephone: Holborn 825.

The special display carton containing 6 dozen, with 1½ dozen bonus free, sent anywhere carriage paid by return. Get it for your counter.

You sell—7½ dozen at	£d. .. £2 5 0
You buy—8 doz. at 45/-	gross .. £1 2 6
1½ doz. free	
You get— ..	£1 2 6

Cut this coupon.
Attach it to your business heading, or card, and send it to your wholesaler or direct to The Leighton Laboratories, 35 Gray's Inn Road, London, W.C. 1. Please send me carriage paid by return 6 doz. Anthony Leighton Best Shampoo and 1½ doz. free bonus.

C. & D., 3/5/19.

If You do Not already Stock "KLONDOL"

YOU WILL BE WELL ADVISED TO ORDER
A TRIAL SUPPLY WITHOUT DELAY.

In 8-oz. Amber Bottles
Artistically Labelled.

WHOLESALE PRICE:

10/-

Per Dozen Bottles.



RETAIL PRICE

1/3

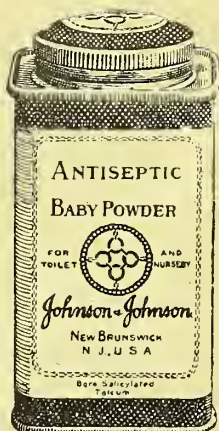
Per Bottle.

"KLONDOL" fully maintains all the essential characteristics of a perfect "LYSOL," and can be relied upon to give the highest satisfaction particularly among the profession.

**"KLONDOL" IS BEING SUPPLIED TO MANY OF
THE LARGEST AND BEST-KNOWN HOSPITALS.**

Write for our Disinfectant Pamphlet and Price List—

EDWARD COOK & CO., Limited,
BOW, LONDON, E.3.



**Look for the
Name and
Trade Mark.**

ANTISEPTIC BABY POWDER

MANUFACTURED BY

Johnson & Johnson.

We wish to warn our Customers, so that they may be on their guard, that our package is being imitated. This step, which is so easy, is an undignified and shabby attempt to rob us of our goodwill.

WARNING.

The contents cannot be imitated, and the Trade Mark cannot be imitated; and we would ask those Customers who have handled this preparation for a quarter of a century, with every satisfaction to themselves and to their clients, to resent this method of copying other firms' productions by insisting on having the original package bearing the registered Trade Mark, which is the guarantee of quality.

JOHN TIMPSON & CO., Ltd.,

104 Golden Lane,
LONDON, E.C.

**FACE CREAM. TOOTH POWDER. NAIL POLISH
" POWDER. " PASTE. HAIR CREAM
BRILLIANTINE, Solid and Liquid. PERFUMES
VIOLET POWDER. TALCUM. TOILET OATMEAL
SHAMPOO POWDER & LIQUID. MASSAGE CREAM**

*Your own formula prepared, or we can supply ingredients if desired.
Send for samples and quotations.*

A. CONNELL & CO., 3 Jewry Street, LONDON, E.C. 3

PHONE-AVENUE 1945.



**LOVELY (A BRITISH SCIENTIFIC TRIUMPH)
EYELASHES**

Colourless, harmless eyelash food. Beneficial to the eyes.

25 % on small orders, 33 1/3 % on Gross Lots.

CURLASH CREAM

For a small show in your window:

OUR WINDOW-SHOW OFFER

3 Doz. @ 1/-	...	...	£1 16 0
9 Free ...	...	...	9 0
Returns ...	...	...	£2 5 0
Outlay ...	...	...	£1 7 0

With Dummies and Show-cards. Carriage paid.

NET PROFIT 66 2/3% 18 0

THE BALDWIN MFG. CO., Ltd., 95 Wigmore St., London, W. 1.

**P.A.T.A.
M.R. Prices.**

1/1, 1/9 & 3/6

**EXTENSIVELY
ADVERTISED**

**"Strodonia"
VANISHING CREAM**

For displaying a small showcard, we make the following offer on INITIAL DIRECT ORDERS (One parcel only):—

1 1/2 dozen 7 1/2d. selling for 11 3
" 1/- " " 9 0

For 10/- cash with order, carriage paid. 20 3

7 1/2d. and 1/- - - 5/6 and 9/- per dozen.

From London Wholesalers.

Direct Orders value £5 subject to 10% discount and 1 doz. 1/- size bonus for window display, showing 38% on Turnover.

STRODE COSH & PENFOLD, Manufacturing Chemists, BRISTOL.
LOWER UNION ST.

TERPENELESS OILS

BRITISH MADE.

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the World.

WE SPECIALISE IN TERPENELESS:

Anise (Anethol)

Bay

Bergamot

Caraway

Cassia

Cinnamon

Clove

Dill

Geranium

Ginger

Juniper Berry

Lavender

Lemon

Limes

Mandarin

Nutmeg

Orange

Peppermint

Petitgrain

Rosemary

CITRAL

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HOLLANDS DISTILLERY, Ltd.

Lavington Street, Southwark, London, S.E. 1.

A B C Code (5th Edition).
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Telegrams: "LANDSLOH LONDON."
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AMERICAN AGENTS—O. A. BROWN CO. INC., 99-101 Beekman St., New York.
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SHAVING BRUSHES

The Finest Imitation Badger with Bone Handles.

18/6 per dozen.

In 3 dozen lots. Postage 6d. extra.

CASH with ORDER: IMMEDIATE DELIVERY.

Satisfaction guaranteed or money returned in full.

RAJEEN PERFUMERY Co.

(Proprietors of all Fine Preparations)

89 Farringdon Street

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**TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to-**

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The Largest Makers in the Kingdom,

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

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No Dear,
Not another NEW HAT
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WHITAKER & CO.,

Colour Works, KENDAL.

LONDON DEPOT: 60-62 Clerkenwell Road, E.C.1

MAKE YOUR OLD HAT A NEW ONE.

In bottles, 1/- each, in separate neat cartons, with suitable brush. These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

**NO GLOSS.
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Write for Terms, Patterns, also
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**"HAT
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*GLOSSY SERIES supplied, if desired.
Special Non-inflammable Series for Export.*

Another Home Article of Great Utility.

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Universal

Fabric

Dyes

FOR HOME DYEING.

All these colours will dye either Wool, Silk or Cotton, or mixture of these. No separate dye required for each material. Easy and clean to use. No acids or preparation required. Make home dyeing a matter of interest and pleasure.

A standard range of 12 Colours; other shades supplied.
IN PACKETS, 2d., 3d. and 6d. each, and in Bulk.

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EXHIBITED—

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37 Years' Reputation & Practical Experience.

**WHITAKER'S
HOUSEHOLD
Coloured Varnishes**
(VARNISH STAINS)

For Floors, Furniture, and Wood-
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Black Lacquer for Grates, etc.

"JUGGLER" BLACK FOR LEATHER

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An excellent
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Will make many
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SEASON SPECIALITIES

1000 ENVELOPES,
with Name and Address;

A SHOWCARD (15 × 7),

2 WINDOW CARDS,

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FORMULA,
for

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Striking Designs.

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Printed
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ORDER NOW.



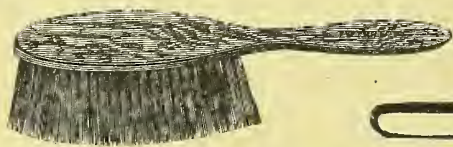
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Celebrated
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TITTERTON & HOWARD, Brush Manufacturers, 8 & 10 Great Titchfield St., London, W. 1.
FACTORY: ALBION WORKS, DALSTON LANE, E. 8.

Hindes HAIR TINT

For GREY OR FADED HAIR.

Regd. Title - "SEEGEROL."

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Patentees & Manufacturers of the World-famous
Hindes' Wavers.

For Delicate Skins.

Eudermine Cream

at 2/6
per bottle.

Eudermine Face Powder

at 2/6 per box.

Obtainable at all Chemists and Stores.

Manufacturers:

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Perfumery of Distinction

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WE ask you to judge "Distol" Ottos from the standpoint of Quality, because that is the side of the argument your customers see.

The simplicity in handling, the wide choice of odours, the excellent keeping properties and the really remarkable margin of profit are subdivisions of the "Distol" argument, which rest between you and ourselves; but Quality affects *your* customers, and can make or mar your turnover in other goods. Therefore, we ask that "Distol" shall stand or fall on Quality—and for nine years we have had no cause to complain of the verdict.

To any Pharmacist who has not tried these Ottos we will send a case of sample tubes of perfumes made from six different "Distols," together with a copy of the current issue of our "Distol" Review—Profitable Perfumery.

THOMAS KERFOOT & CO LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1767.

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IT PAYS TO PUSH JOHN BOND'S "CRYSTAL PALACE" MARKING INK



6d. size, **3/7** per doz., Minimum protected selling price, **5d.** 1/- size, **6/7** per doz., ditto **9d.**

This will show retailers a profit on the 6d. size of no less than 40 per cent. The rate of profit on the 1/- size will remain the same.

MINIMUM ORDER AT WHOLESALE RATES:—One Gross of 6d. size amounting to 38/- or assorted order to same value. 1/- size 69/- per Gross. Carriage paid on parcels of 25 and upwards. Smaller quantities should be ordered through any of the Wholesale Houses.

When ordering, please specify if HEAT or NON-HEAT is required. A good assured minimum Profit on this Marking Ink which will always make new customers.

Compare with what you are paying for other makes, and **NOTE** the difference.

Manufactory : **75 SOUTHGATE ROAD, LONDON, N. 1.**

THREE GOOD SELLERS THAT PAY WELL

FROZOCLONE

(The original solid Eau de Cologne).

(Regd.)



THE WORLD'S GREAT
PERFUME AND
REFRESHER IN
SOLID FORM

Retails (P.A.T.A.)
Minimum - **2/6**
giving at least **8d.** Profit
on each sale.

22/- - - - per doz.

FROZOCLONE is a convenient form of the finest Eau de Cologne, refreshing when rubbed on the forehead, equally pleasant as a smelling bottle, invaluable in a heated atmosphere and when motoring.

CARNATE (Regd.)

A **NAIL POLISH PASTE** with new and distinctive features. Antiseptic—Softens the cuticle—Brilliant and lasting polish.

Retails (P.A.T.A.) minimum **1/6** ; **12/-** per doz.

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The Ideal Fruity Laxative in Pastille Form.
DELICIOUS. RELIABLE. EFFECTIVE.

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21/- per doz., stamped.

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Telegraphic Address : "Boulbene London."

Telephone : 525 Willesden.

THE name Zenobia is so intimately associated with perfection in perfumery, that the buying public eagerly welcome the Toilet Preparations also manufactured by the firm of Zenobia, Ltd. Chemists will find that the name

ZENOBIA

alone is sufficient to ensure ready sales, while the pleasure found in the use of Zenobia Specialities in its turn ensures satisfied customers. We particularly recommend

ZENOBIA BRILLANTINES. ZENOBIA TOILET POWDERS

-/8d. size.....6/- per doz.	1/3 size.....10/6 per doz.
1/4 " ... 12/- " "	2/9 "24/- " "
2/2 " ... 19/6 " "	-7½d. Poudre Orientale.
	5/6 per doz.

Subject to usual discount.

A complete Catalogue will be forwarded on application to—

ZENOBIA LTD., Loughborough, ENGLAND

FOR LARGE BUYERS.

Shaving Sticks

Also Brilliantines, Dry Shampoo (Liquid), Bay Rhums, Toilet Paraffins, Lime Creams, Pomade Hongroise, Tooth Towders, Dental Creams, Vanishing Creams, Shampoo Powders, and all Toilet Goods.

**LOW PRICES for
HIGH QUALITY.**

STOKES & CO., Ltd.

Manufacturing Chemists and Perfumers

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The Finest Quality
Aerated Waters are
made only with
the Finest Quality
ESSENCES

Boake Roberts

Soluble Essences are
of the finest quality
and being extremely
concentrated are
most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash Vanilla

A. Boake Roberts & Co. L^{td}
Stratford, London.

Veldt Cream

LABEL-TITLE. COPYRIGHT

The Inseparable, just Pourable, Vanishing SKIN FOOD

of Stearine base, combined with rare ingredients,
imparting the natural whiteness and waxy soft-
ness of the water lily to
HANDS AND ARMS.

Does not interfere with the sale of Face Creams,
as it is something quite apart.

Pays 45% on Monthly Bonus Terms.

Retail	Size	Price	Free Bonus on quantities named, or <i>pro rata</i>
5d.	1-oz. bottles	48/- gross	2 doz. 1/- with ea. gross
1/-	3-oz. "	9/6 doz.	2 " 1/- " 6 doz.
1/9	6-oz. "	16/- "	2 " 1/- " 4 "
2/9	12-oz. bath size bots.	27/- "	2 " 1/- " 2 "

A vigorous Advertising Campaign in preparation

A set of five sale-compelling Showcards (in-
cluding two reproductions from water-colours)
and a 2/9 (retail) Showbottle FREE with
each carriage-paid order to the value of £3.

Obtainable on bonus terms only from—

THE VELDT LABORATORY, Louth, England,
or through our Special Agents,
AYRTON, SAUNDERS & CO., Ltd., LIVERPOOL.



DO YOU STOCK the Anzora Pair?

Besides selling quickly and easily, ANZORA
gives you a good profit for your trouble.
The public realise that they

Master the Hair

effectually and well.

TRADE } 11/6 per dozen ... retailed at 18/-
TERMS } 19/6 " " " " " 30/-
2 1/2% discount on orders of 3 doz.
5% " " " " " 6 doz.
for monthly settlement of account.

Obtainable from
all Wholesalers.

Showcards
on request.

Anzora Perfumery Co., Willesden Lane, London, N.W. 6.

**SALES
BEAT ALL RECORDS.**

INDIAN PERFUME BRICK

**KEEPS AWAY MOTH.
LASTING & FRAGRANT.**

**PERFUME
BRICK**

FOR LINEN CUPBOARD AND WARDROBE.

Retail Price, 6d.

Of the Makers:

ALBERT WILLIS & ARTHUR, Ltd.
6 Mortimer St., London, W.
AND ALL WHOLESALERS.

Manicure your Finger Nails with "Redio" TRADE MARK

Finger Nail Cloths.

They give a brilliant,
lasting polish without
pumice, dust, or grease.
Beautiful finger nails
give the finishing touch
to a cultured hand.

Of all Chemists,
Hairdressers, etc.

Prices:
6d. and 1/-



The REDIO CO.
specialises in impreg-
nated cloths.

Try the celebrated Redio
Metal Polishing Cloths.

REDIO CO., Ltd., 66 Fore St., London, E.C. 2.

"John Bull" Admixture

of

MALT EXTRACT & COD LIVER OIL

Messrs. PAINE & CO., LTD., wish to inform their numerous friends that the enlargements to their MIXING PLANT are now completed, and as soon as present orders are executed, they will be able to deliver with their former promptitude.

PAINE & CO., LTD., Malt Extract Manufacturers
ST. NEOTS, HUNTS.

DIADEM

Face Powder.

possessed of the delightful fragrance of Diadem Cream, adheres readily to the skin. Made in Blanche, Naturelle, Rachel, Rose and Sunburn tints. Packed in large artistic boxes, in the distinctive Robartes' style and colouring. A sure seller.



DIADEM

WAX¹ For the Complexion

Completely supersedes the customary greasy Toilet Creams. Is most pleasant in use and commands ready sales. Attractively produced in elegant large jars.

DIADEM

Crème Rouge

Gives an undetectable and natural colour to the cheeks. Far more convenient in use than the existing dry rouges. Easily removable whenever desired.

DIADEM

Vanishing Cream

A cream of rare purity and charm, put up in novel white globes which have an irresistible appeal and packed in dainty boxes in Robartes' attractive style.

DIADEM

Talcum Powder

The ideal powder for Nursery and Toilet use. Choicely perfumed, and may be used with impunity on the most sensitive skin. In handsome perforated tins.

DECOLTENE

The liquid hair remover

The intelligent depilatory. Simple, safe, effective, and harmless. Can be used while performing the toilet. Daintily packed.



An attractive line that enjoys good sales. A greaseless cream that takes all odour out of perspiration. Packed in attractive jars.

TRADE TERMS.

	P.A.T.A.	Trade per doz.
Diadem Face Powder ...	2/6	20/-
" Complexion Wax ...	2/6	20/-
" Crème Rouge ...	2/6	20/-
" Vanishing Cream ...	3/9	30/-
" Talcum Powder ...	1/3	10/-
Decoltene Depilatory ...	3/9	30/-
Dinkie Deodorant ...	2/6	20/-

NOTICE.

Artistic Showcards and Counter Matter free on request. Robartes' Preparations are obtainable from all leading wholesale houses. Largely advertised in all the leading dailies, weeklies and monthlies. Further particulars and descriptive booklet forwarded on request.

ROBARTES, Ltd., Dyer's Buildings, Holborn Bars, London, E.C. 1.



HALIFLOR

Distillers of Natural Floral Extracts, Ground Essences, Soap Perfumes and Essential Oils.

PRICE LIST FOR

HALIFLOR GROUND ESSENCES

For the preparation of Perfumes, and for perfuming Toilet Preparations.

A lasting natural Quadruple Perfume of highest concentration is obtained by mixing 1 part of Haliflor Ground Essence to 9 parts of pure Alcohol 80° (alcohol 80° is made by mixing 7 parts of distilled water to 40 parts of alcohol 95°).



	2 oz.	4 oz.	8 oz.	16 oz.
Mixed Blossoms ..	5/3	10/3	19/9	39/-
Eau de Cologne ..	4/6	8/6	16/3	32/-
Ess Bouquet ..	4/6	8/6	16/3	32/-
Lilac ..	5/-	9/3	17/9	35/-
Heliotrope ..	4/6	8/6	16/3	32/-
Jasmin ..	6/3	11/9	22/9	45/-
Jockey Club ..	5/-	9/3	17/9	35/-
Iris ..	5/-	9/6	18/3	36/-
Lavender ..	5/3	10/3	19/9	39/-
Lily of the Valley (Green) ..	5/-	9/3	17/9	35/-
Neroli ..	6/9	13/-	25/3	50/-
Opoponax ..	5/-	9/3	17/9	35/-

	2 oz.	4 oz.	8 oz.	16 oz.
Rose ..	6/3	11/9	22/9	45/-
Trefle ..	5/6	10/6	20/3	40/-
Violet Parma ..	5/-	9/6	18/3	36/-
„ Haliflor ..	5/6	10/6	20/3	40/-
White Rose ..	6/3	11/9	22/9	45/-
Sweet Pea ..	5/3	10/3	19/9	39/-
Wallflower ..	5/-	9/3	17/9	35/-
Carnation ..	5/3	10/3	19/9	39/-
*Eau de Quinine ..	4/-	7/3	13/9	27/-
*Bay Rum ..	5/6	10/6	20/3	40/-
*Eau de Toilet..	8/-	15/6	30/3	60/-

* We are prepared to advise and send Formula how to prepare these.

HALIFLOR CONCENTRATED FLORAL ESSENCES, WATER SOLUBLE,

For the instantaneous production of Toilet Waters, Aqueous Perfumes, Shampoos, Hair Washes, etc., are ideal.

	2 oz.	4 oz.	8 oz.	16 oz.
Mixed Blossoms ..	6/3	11/9	22/9	45/-
Eau de Cologne ..	4/9	9/3	17/9	35/-
Ess Bouquet ..	4/9	9/3	17/9	35/-
Lilac ..	5/3	10/3	19/9	39/-
Heliotrope ..	4/9	9/3	17/9	35/-
Jasmin ..	6/9	13/-	25/3	50/-
Jockey Club ..	5/3	10/3	19/9	39/-
Iris ..	5/3	10/3	19/9	39/-
Lavender ..	6/-	11/3	21/9	43/-
Lily of the Valley ..	5/3	10/3	19/9	39/-

	2 oz.	4 oz.	8 oz.	16 oz.
Sweet Pea ..	6/-	11/3	21/9	43/-
Musk ..	6/9	13/-	25/3	50/-
Opoponax ..	5/6	10/6	20/3	40/-
Trefle ..	6/3	11/9	22/9	45/-
Violet Parma ..	5/6	10/6	20/3	40/-
„ Haliflor ..	6/3	11/9	22/9	45/-
White Rose ..	6/9	13/-	25/3	50/-
Carnation ..	6/3	11/9	22/9	45/-
Wallflower ..	5/3	10/3	19/9	39/-

STANDARDISED HALIFLOR PERFUME OILS FOR BRILLIANTINE. 1 oz. to a Gallon.

	2 oz.	4 oz.	8 oz.	16 oz.
Lilac ..	3/3	6/3	11/9	23/-
Heliotrope ..	3/3	6/3	11/9	23/-
Jasmin ..	5/6	10/6	20/3	40/-
Jockey Club ..	5/6	10/6	20/3	40/-
Sweet Pea ..	6/3	11/9	22/9	45/-

	2 oz.	4 oz.	8 oz.	16 oz.
Opoponax ..	6/9	13/-	25/3	50/-
Lily of the Valley ..	5/3	10/-	19/3	38/-
White Rose ..	4/9	9/3	17/9	35/-
Wallflower ..	5/3	10/-	19/3	38/-

Alcohol Free.

ONE-DROP NATURAL ESSENCE.

Alcohol Free.

To be used with Glass-Stemmed One-Drop Bottles.

	2 oz.	4 oz.	8 oz.	16 oz.
Acacia ..	6/9	12/9	24/9	49/-
Lilac ..	6/3	12/-	23/3	46/-
Gardenia ..	6/9	12/9	24/9	49/-
Carnation ..	6/6	12/6	24/3	48/-
Jasmin ..	6/9	12/9	24/9	49/-
Narcissus ..	6/9	12/9	24/9	49/-
Orchidee ..	6/9	13/-	25/3	50/-
Hyacinth ..	6/6	12/6	24/3	48/-

	2 oz.	4 oz.	8 oz.	16 oz.
Violet ..	6/6	12/6	24/3	48/-
Rose de France ..	6/9	13/-	25/3	50/-
Lily of the Valley ..	6/6	12/3	23/9	47/-
Orange Blossom ..	6/9	12/9	24/9	49/-
Mignonette ..	6/9	13/-	25/3	50/-
Ylang Ylang ..	6/9	12/9	24/9	49/-
Heliotrope ..	6/6	12/-	23/3	46/-
Sweet Pea ..	6/9	13/-	25/3	50/-

Haliflor Floral Preparations are natural, delicate, true to odour, strong, lasting and cheap.

➡ **ALL PACKAGES FREE.**

ALL CARRIAGE PAID. ➡

Terms: Cash with order for amounts up to £1, or may be obtained through all Wholesale Houses.

Samples on application from

HERTZ & CO.,

All British
Firm

9 Mincing Lane, London, E.C. 3.

Established
1878.

Les Parfums de Nicolai

Quick selling, high quality Scents and Toilet Requisites

NICOLAI BRISE D'AMERIQUE

An exquisite scent obtained by the distillation of selected flowers.

NICOLAI A.F.A. BOUQUET

Another fragrant blend. A rare and most lasting perfume.

NICOLAI FLORAL SERIES

Violet, Lily, Heliotrope, Jasmin, Opoponax, Lilac, etc.

NICOLAI LE NOUVEAU CHIC

NICOLAI CORSICAN POPPY

NICOLAI BATHOIDS

In boxes of twelve tablets. Various scents.

NICOLAI EAU DE COLOGNE

Two qualities—White and Black label.

NICOLAI BRILLIANTINE

Liquid and solidified, in tubes. Assorted scents.

NICOLAI CRÈME DE BEAUTÉ

Vanishing and Massage Creams. 1 oz. pots.

NICOLAI Face Powder, Talcum Powder,
Dusting Powder, Tooth Powder, etc.

*Samples of the above gladly sent to dealers on request. Write for
our Special Assortment offer. WHOLESALE AND EXPORT ONLY.*

A.F.A. Chemical Co., Ltd.

19 Hand Court, Holborn, LONDON, E.C. 1.

Last Week OF Bonus Offer

Exact Size
and
Facsimile
of
Package.



PLEASE
READ
OPPOSITE
PAGE.

IMPORTANT.

*No direct Cash Bonus
Orders can be executed
if posted later than May 10.*

"As a typical example of a true recuperative food, I may mention the Muller Nutrient. It seems to have overcome most of the objections to which many of the earlier and less skilfully prepared articles on similar lines have been open. It promotes metabolic changes in nutrient cells which tend to nullify morbid conditions and thus help the patient to regain health."—Extract from War Dietetics and Therapeutics by THOMAS DUTTON, M.D., M.R.C.P., &c.

THE MULLER LABORATORIES LTD.

Scientific Food Specialists, 144 Albany Street, LONDON, N.W.

Special 4-Week Bonus Offer APRIL 12 to MAY 10.

"Preparations of which the Muller Nutrient is a very good example may legitimately be described as 'Nature Remedies.' These will no doubt have an important place in therapeutics, and hold out much hope and promise in the future of medical practice."—THE MEDICAL TIMES, August 18, 1917.

**4th and last
WEEK
OF OFFER**



Exact Size and
Facsimile of
Package.

3/-

P.A.T.A.

**Sells
at
Face
Price.**

The advertising of the Muller Nutrient is not "the mere repetition of a name" but is interesting and educational regarding Nerve Troubles. The result is that it CARRIES WITH IT AN UNUSUAL PROPORTION OF STEADY REPEAT BUSINESS.

Announcement by the Muller Laboratories, Ltd., Scientific Food Specialists, Controllers of the Muller Nerve Nutrient:

Any Pharmacist who sends us an order for one dozen Muller Nutrient, 3/- size, between the dates April 12 to May 10, will receive the following special terms—

1 doz. Muller Nutrient (Face Value 3/-)	£1 16 0
Trade Discount ...	0 6 0
Cash Discount ...	1 10 0
	0 1 6
	1 8 6
Special Four-week Advertising Bonus of 3 boxes (3/-) ...	0 9 0
	0 19 6

85% PROFIT ON OUTLAY.

The Muller Nutrient is well advertised, and is a Standard Nerve Nutrient of the highest quality and therapeutic excellence. It is an invaluable preparation for Nerve Sufferers, especially Mental Workers who use it and come back for more at intervals; and it carries with it an unusual proportion of Repeat Business.

The only Nerve Food in solid form that can be eaten and masticated like ordinary food.

THE MULLER LABORATORIES, LTD.

Scientific Food Specialists,

144 Albany Street, LONDON, N.W.

Bonus Direct Cash Order.

THE MULLER LABORATORIES, LTD.,
Scientific Food Specialists, 144 Albany St., N.W.

Please send me, carriage paid, with showcards, 1 doz. 3/- Muller Nutrient, and 3 Bonus boxes. I enclose remittance, and will make a display in return for your concession.

Name

Address

P.S.—This order must be posted not later than May 10.

SAVE 3/- PER GALLON BY BUYING GUARANTEED GENUINE NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL."

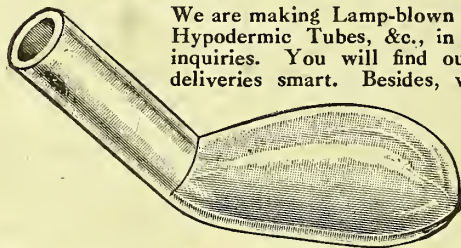
Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

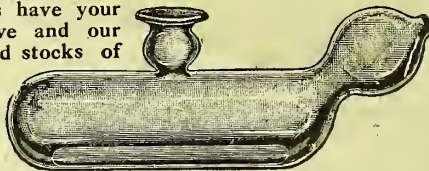
JULES LANG & SON

Sole Proprietor:
FERNAND RENE LANG



We are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in England. Let us have your inquiries. You will find our prices competitive and our deliveries smart. Besides, we also have varied stocks of Glass Bottles.

Send us your inquiries and ask for our Stock List.



Nasal Douche.

Telegrams: "Assorted, Phone, London." Telephones: North 2770 (3 lines).

Charlton Works, Charlton Place - - ISLINGTON, LONDON, N.1.

USE UNSKILLED LABOUR DO WORK
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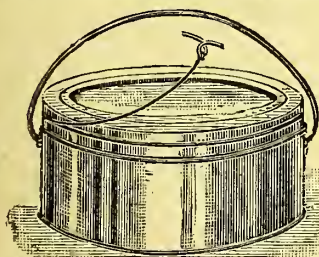
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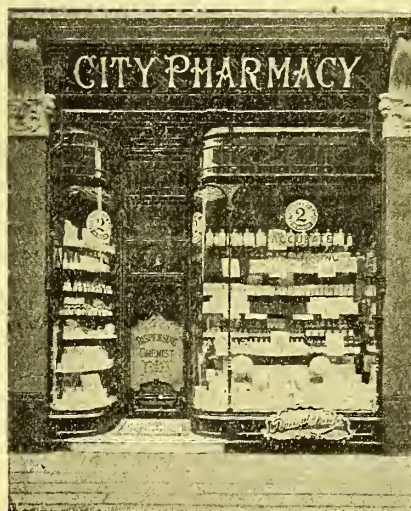
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Coming Events.

Tuesday, May 6.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 3.30 P.M. Council meeting.
Baling Pharmacists' Association, Buol's Restaurant, at 8.30 P.M. Annual meeting.

Wednesday, May 7.

Pharmaceutical Society of Great Britain, Central Hall, Westminster, London, at 3 P.M. Meeting, for assistants, to promote organisation.
Birmingham Pharmaceutical Association. Visit to Charford Mills and Chemical Works, followed by tea and smoking concert.

Thursday, May 8.

Salford Pharmaceutical Association, 40 The Crescent, Salford, at 8.30 P.M. Annual meeting.
The Amalgamated Society of Pharmacists, Drug and Chemical Workers, Queen's Hall, People's Palace, Mile End Road, London, E., at 7.30 P.M. Social evening. Tickets, 1s. each (excluding tax), from the Secretary, 31-35 High Holborn, W.C.1.
Ucal Federation (London Branch), Connaught Rooms, Great Queen Street, London, W.C., at 6.30 P.M. Dinner. Tickets (10s. 6d. each) from Mr. G. W. Evans, 239 Hammersmith Road, London, W.
National Association of Women Pharmacists (London Group), Dr. Williams' Library, Gordon Hall, Gordon Square, London, W.C. Discussion on "Subjects of Topical Interest."

CAMBRIDGE PHARMACEUTICAL ASSOCIATION.—The twenty-fifth anniversary dinner will be held at the Lion Hotel on May 8 at 7 P.M.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

Church District Council has accepted the following tenders: W. Metcalf, Ltd., creosote; Glen Carbolic Co., disinfectant powder.

The following War Office contracts have been notified: *Medicines*.—Abel Manufacturing Co., Ltd.; R. Blackie; Boots Pure Drug Co., Ltd.; British Diamalt Co.; British Malt Products Co.; Burgoyne, Burbidges & Co., Ltd.; Burroughs Wellcome & Co.; W. B. Cartwright & Co., Ltd.; Distillers Co., Ltd.; Lister Institute of Preventive Medicine; May & Baker, Ltd. *Methylated Spirit*.—W. T. Alexander.

Cocaine Cases.

At Marlborough Street Police Court, London, on April 24 and 26, the hearing of the charge against A. A. Toose of being in unauthorised possession of cocaine (*C. & D.*, April 12, p. 45) was continued. Mr. P. Richards, analyst, certified that a bottle handed to him by the police contained cocaine hydrochloride, and it was stated for the prosecution that the quantity found would have fetched over 40l. In the same parcel as the bottle were a china pot and a pill-box. The case was again adjourned.

At Guildford, on April 28, Sapper Thomas Duffil Brown, Canadian Engineer, was charged with having attempted to obtain 30 gr. of cocaine from Long & Co., chemists, High Street. Mr. Guy Russell Cox, chemist and druggist, trading as Long & Co., said that on April 23 prisoner came to his shop and handed him two typewritten forms (produced), asking witness to fill the prescriptions on them. Witness, being busy, asked him to call back later. On examining the forms after the man had gone, he found one was a request for cocaine. Witness had casually looked at the forms, but a closer examination found they did not comply with the regulations. Witness took the prescription to the Chief Constable, and asked for his authority. The soldier returned about an hour later and was taken to the police-station. Further evidence showed that the prescription purported to be signed by a Captain Miller, who was unknown at the camp. The defendant's excuse was that he was asked to get the drug for a sergeant for whom he had obtained "dopes" in Belgium and Germany. The Mayor (Councillor W. S. Tavener, chemist and druggist) warned the prisoner of the seriousness of the charge, and said the penalty was a very heavy one. Having regard, however, to his good service and the fact that the battalion would shortly return to Canada, he would be fined 5l.

Bites of Rabid Dogs.

The Local Government Board has issued a memorandum regarding the steps to be taken by persons who are bitten by dogs suspected to be rabid. The first part is especially interesting to chemists. The memorandum states:

The wound should be treated as soon as possible with undiluted carbolic acid, or with undiluted Izal or similar disinfectant. The disinfectant should be allowed to come into contact with all parts of the wound, and should then be washed out with water or dilute disinfectant. If no disinfectant of the kind is available, the wound should be thoroughly washed and irrigated with hot or cold water. Where it is possible to get the immediate services of a doctor the treatment should be placed in his hands. Persons bitten by stray dogs or by dogs exhibiting unusual behaviour should at once inform the police with a view to the necessary inquiries being made. By arrangement with the Board of Agriculture and Fisheries the names of all persons known to officers of that Department or to the police to have been bitten by dogs suspected of being rabid will be communicated at once to the medical officer of health of the district in which the bitten persons live.

The Board of Agriculture have undertaken to advise the Local Government Board whether the symptoms in the dog are sufficiently suspicious to justify anti-rabies treatment before the confirmatory diagnosis is available, and this information will similarly be forwarded to the medical officer of health. In any case a definite decision for purposes of treatment will be available 24-48 hours after the material for diagnosis from the dog has been received by the Board of Agriculture and Fisheries. When the medical officer of health is satisfied that anti-rabies treatment is essential, and has ascertained that the person bitten is prepared to begin the treatment, he should communicate with Dr. Dudgeon, Department of Pathology, St. Thomas's Hospital, Westminster Bridge, London,

S.E. 1, or with Dr. Pethybridge, at 11 Whitefield Terrace, Plymouth. If a patient cannot stay in London or at Plymouth at his own expense for the two or three weeks necessary for the completion of the course, the Local Government Board will sanction reasonable expenditure incurred by the District Council.

Birmingham.

Gradually the old young faces are being seen again in the various pharmacies.

The teaching institutions in connection with pharmacy in Birmingham are already full.

Indigo and 6-oz. bottles are, apparently, the most difficult things to obtain in this city just now.

Mr. H. H. Marshall, chemist and druggist, has been elected parishioners' warden for St. Agnes' Church, Moseley.

Colonel Wyley (Wyleys, Ltd.) and several local pharmacists took part in a Masonic service at Birmingham Cathedral on April 27.

Complaint is being made of the sale of a "colza burning oil" composed largely of a mineral oil of similar gravity to the vegetable product.

Among the donors to Father Hudson's war orphan children's fund are Mr. Barrow Cadbury, J.P., Mr. Alfred Eird, Mr. F. W. Needham, W. Canning & Co., and Singleton & Cole.

The weather of the past week-end has given quite a spurt to pharmacy. While the "flu" has abated, measles is on the increase. Mindererus spirit is our supreme, if not our only, joy.

Mr. Wilfred Hill gave an address entitled "Reflections on a Recent Visit to the Rhine Provinces," before the Business Club, at the Grand Hotel on April 28. The aniline-dye works at Leverskusen he described as a startling revelation.

Liverpool.

For the first time during their partnership, Messrs. R. & J. Herman are taking a few days' vacation together.

Mr. H. Corbett Meyrick, Ph.C.I., has relinquished *locum-tenens* work, and has been appointed manager of Moxon's Pharmacy, 252 Park Road.

Liverpool has shared with the rest of Great Britain in the blizzard, and the effect has been seen in renewed demands for winter remedies.

A man having the appearance of an aged tramp entered a down-town pharmacy this week and proffered his desire thus: "I am feeling very queer; please give me a sleeping draught." He was commended to a hospital.

Lieutenant-Colonel George McLoughlin has been in Liverpool on short leave. Prior to joining the Colours in 1914 he was with Evans Sons Lescher & Webb, Ltd., to whose staff he is to return upon demobilisation.

Captain Cecil H. Brunner, R.F.A., J.P. (late a member of the firm of Joseph P. Brunner & Co., drug-brokers), the only one of the City Justices who made the supreme sacrifice in the war (*C. & D.*, 1917, p. 939), is to be the subject of a memorial to be erected in the Liverpool magistrates' room.

Portsmouth.

At a dinner held at the Southport V.A.D. St. John Hospital on April 24, presentations were made to Mr. Wilfred E. Prescott, chemist and druggist, and Commandant Walter Parkinson. Mr. Prescott was for many years with Mr. Joseph Joye, Southport, to whose business he has succeeded; Commandant Parkinson was also engaged locally in pharmacy. The function was the occasion of many tributes to the work of both gentlemen, the former of whom was presented with an inscribed silver tea-service and the latter with a silver canteen and tea-tray. Mr. Prescott, in the course of his acknowledgment, highly praised the hospital staff, and said that tens of thousands of prescriptions had been dispensed (and millions of lotions) without one mistake.

Sheffield.

A number of returned assistants are making applications for a Government grant.

Most of the Don Valley glassworks are supplying their bottles three months after receipt of order.

Several local chemists are taking up the study of medicine at the University, where every department is crowded.

The Sheffield Junior Association is forging along with an improved educational system in the foreground of its programme—which system, it is understood, is likely to materialise.

In the industrial areas complaints are frequent of the unfair trading of some of the unqualified drug-vendors who keep open their shops for the sale of "botanical" drinks after the ordinary closing-hours—when, it is alleged, anything may be purchased by their regular customers.

Mr. H. Antcliffe and Mr. E. Preston, Ph.C., have been appointed delegates to the British Pharmaceutical Conference. The indication in this column last week that they were then in London was intended to refer to the Conference of Association delegates, at which (as appears from p. 70 of that issue) Sheffield was represented by Mr. Antcliffe and Mr. A. H. Culverhouse.

Miscellaneous.

FIRE.—On April 22, about 20 lb. of phosphorus caught fire in the basement of premises at 7 Little Goodge Street, London, W., occupied by Orela, Ltd., manufacturing chemists. The resultant damage was slight.

POISONINGS.—An inquest was held at Wandsworth on April 25 on the body of Miss Ethel I. Hartnell, B.A., who died after taking spirit of salt. Evidence having been given to the effect that Miss Hartnell had suffered from delusions after a nervous breakdown, an "Unsound mind" verdict was recorded.—Thomas Smith, a Halifax resident, died after drinking a solution of ammonia by mistake.—A Sunderland labourer committed suicide by taking laudanum.

THE DRUG-HABIT.—Sir Wm. Collins stated at a meeting of the Women's Total Abstinence Union, on April 29, that the abuse of opium, morphine, cocaine, and similar drugs is a world-wide social evil. Recent restrictions had proved inadequate, he said. International control should be invoked. The world production of opium, morphine, cocaine, and similar drugs had been vastly and appallingly in excess of any possible legitimate medical use. He had ascertained from one of the largest London hospitals that in a single recent year less than 13 lb. of opium and 5 oz. of morphine met all the requirements, yet they read that more than 500,000 oz., or about 14 tons, of British-made morphine had been exported in 1914, chiefly to the Far East.

PERMITS TO GO ABROAD.—On and after May 1 British subjects are not required to obtain a British permit from the Military Permit Office, Bedford Square, London, for journeys to Belgium or France (with the exception of Paris, for which a permit must still be obtained). It should be noted that the French and Belgian authorities still require their visa to be obtained by persons undertaking a journey to any part of France or Belgium. In future British permits from the Military Permit Office, Bedford Square, will be necessary for the following persons only: (a) British subjects going to Paris; (b) all persons going to Turkey, Egypt, Palestine, Syria, Mesopotamia, and those parts of Germany occupied by British troops; (c) all persons going to the zones of British military operations in North and South Russia; (d) until peace is signed, British subjects going to enemy territory.

SALE OF FOOD AND DRUGS ACTS.—At Kensington, London, recently, H. W. Lane, grocer, Westbourne Grove, W., was fined 3*l.*, with 2*s.* costs, for selling a mineral oil as salad oil. Mr. C. E. Cassel, public analyst, stated in evidence that this mineral oil was artificially coloured with organic dye, and that mineral oil would in some cases be injurious to health if given without the knowledge that it acted as an aperient.—At Blackburn, on April 30, Mary Smithies, grocer, Ribchester, was summoned for selling ginger deficient in strength. It was stated for the prosecution that a warranty had been found, but defendant was too late in giving the requisite notice. The analyst had certified that the sample contained only 0.74 per cent. of essential oil, compared with 1.2 to 2 per cent. in a genuine sample. The case was withdrawn, the defendant paying the Court costs, on the understanding that she should give every assistance to enable the authority to proceed against the wholesaler.

IN THE COURTS.—In the King's Bench Division, London, on April 29, Mr. William Sykes, wine merchant, sought to recover 300*l.* as the amount agreed to be paid to him by a firm in the same trade for obtaining an advisory permit for the removal of 1,000 gallons of wine from bond. It was stated that the plaintiff tendered the use of a permit that had been issued to Stephen Smith & Co., Ltd., Bow, E., but the defendants delayed accepting it until the restrictions on taking wine out of bond were removed and the permit became valueless. The plaintiff had, however, agreed to pay someone else for the use of the permit. Counsel for the plaintiff said that apparently these permits were dealt with freely in the City. The 6*s.* per gallon was the profit made on the transfer of the use of the permit, and probably that was one reason why the price of wine went up to the consumer. The Judge held that the transaction was against public policy, and gave judgment for the defendants, with costs.—At the Central Criminal Court, London, on April 30, Joseph H. Ferrua, charged with administering noxious drugs and with performing an illegal operation (*C. & D.*, April 26, p. 55), was sentenced to five years' penal servitude.

Irish News.

Brevities.

Mr. Huston Lancashire, J.P., Ph.C., has been elected a member of the Select Vestry of the parish of Ballymena.

At a presentation to a local bank official, on Good Friday, Mr. J. Barry, Ph.C., Boyle, handed over the gift on behalf of the commercial people of Boyle.

Mr. P. N. White, dispenser to the Sligo Board of Guardians, has complained that an order for surgical dressings was supplied to the contractor about February 25 and remained undelivered until March 21. It was found that eight dozen 3-in. bandages were below standard. The attention of the contractor was drawn to the matter, but up to the present no action has been taken. The Chairman said that the contractor in question was not their present one, and suggested that a request be made to the supplier to have the faulty articles replaced.

Belfast.

Mr. I. W. Nicholl, Ph.C., 25 High Street, has been elected a member of the Select Vestry of the Cathedral of Belfast.

At the recent annual meeting of the Cromac Ward Parliamentary Unionist Association, Mr. W. M. McMullan (Thos. McMullan & Co., wholesale druggists) was appointed Treasurer.

At the Recorder's Court, on April 24, the claim of Mr. Samuel Hill, 103 York Street, in respect of damages to a specie jar, was heard (*C. & D.*, April 12, p. 47). The sum of 5*l.* was awarded, to be paid by the City Corporation.

North Irish Pharmacists' Association.

On April 23 the annual meeting of the North Irish Pharmacists' Association was held in the rooms of the Chemists' and Druggists' Society, Waring Street, Belfast. Mr. R. W. McKnight (Vice-President) occupied the chair in the early stages of the meeting. There was a good attendance, including representatives from Newry, Bangor, Newtownards, Ballymena, Lurgan, and Lisburn, and also four members of the Council of the Pharmaceutical Society: Messrs. J. E. Connor, J.P. (Vice-President of the Pharmaceutical Society), J. Tate (ex-President), W. J. Hardy, and H. Lancashire. The Committee's report showed an increase of almost 100. The Treasurer's report was also satisfactory. The following officers were elected: *President*, Mr. J. E. Connor, J.P. (Newry); *Vice-Presidents*, Messrs. W. Macartney, W. Hanna, J.P., R. W. McKnight, I. W. Nicholl, Hugh Crail, H. Lancashire, J.P., A. W. Mann, J. C. Culbert; *Committee*, Messrs. J. Hewton, H. Todd, M. McDonald, R. Andrews, J. A. Bingham, J. Adams, S. Fleming, J. P. Bowden, D. Henderson, R. I. Edwards; *Hon. Secretary*, Mr. J. Dundee; *Treasurer*, Mr. A. Wilson; *Auditors*, Messrs. H. F. Moore and J. Guiler. After a discussion on the formation of a Whitley Council for the drug-trade in Ireland, it was decided to proceed with the immediate promotion of this scheme. Steps are also to be taken towards an earlier closing scheme, and a Committee was appointed to wait on the chief tuberculosis officer in regard to an increase of dispensing-fee, 20 per cent. on the schedule of dispensing rates being adopted. Members were asked to code every prescription, in their own interest as well as in the interest of the trade. The Secretary is to prepare a new schedule as soon as possible. After an interval for tea a paper was read by Mr. A. Wilson on *Education and the Pharmacist*. Following the discussion, in which Professor Earls (Principal of the Belfast Technical Institute)—the guest of the evening—took part, the following resolution was passed:

That this meeting of pharmacists, after careful consideration, requests the Pharmaceutical Council to take immediate steps to call into being an Advisory Educational Committee, consisting in part, at any rate, of outside educational experts, to consider the whole question of pharmaceutical education, both preliminary and professional, with the widest possible terms of reference, and that this Committee be directed to prepare for the Council's adoption a scheme which will bring pharmaceutical education up to present-day requirements, both on the educational and professional sides, and taking into consideration also the expressed desire of licentiates for courses, post-graduate or otherwise, in bacteriology, examination of blood, urine, sputum, etc. Owing to the great interest taken in this address, a paper by Mr. M. McDonald had to be held over.

Scottish News.

Brevities.

The chemist's and druggist's business at 55 Causeyside Street, Paisley, which belonged to the late Dr. John Stevenson, has been sold to Dr. A. E. Struthers, who intends carrying it on under his own name.

The Beekeepers' Association (Scottish) has increased to a membership of over 2,000. Depôts have been instituted for the sale of honey, and the arrangements are calculated to ensure a good return to the beekeepers.

An application from the local doctor to the Kirkconnel miners asking for a 50 per cent. increase on the flat rate of 3*d.* per week paid for drugs and medical attendance to their wives and families was considered at a mass meeting of the men, when, by a clear majority, it was decided to refuse any increase.

Sir Stewart Stockman has revived a theory that "loupings ill" in sheep is caused by ticks. Sir Stewart has found that, when the female tick has gorged itself with blood from a diseased sheep, the larvæ developed from its eggs can infect healthy animals with a disease marked by high fever and subsequent death. The malady is spreading in Scotland, and it has been found that certain ground can infect sheep. There is scope here for scientific investigation.

Reference was made in the *C. & D.*, 1918, p. 645, to several fine chemicals prepared in the research laboratory of the University of St. Andrews, where the training of graduates in research methods has been a feature of the curriculum for many years. It is hoped to extend the research laboratories and to enable research graduates in chemistry to combine with a training based on scientific principles a better knowledge of the necessities and methods of manufacture. A start has been made in this direction.

Aberdeen.

At a recent meeting of the Governors of Robert Gordon's College, a letter was submitted from the head of the School of Pharmacy with reference to the enrolment (numbering thirty-four—nearly twice the number for which the department was designed), and the need for the appointment of an assistant and for the provision of additional equipment for the school. Mr. R. Gordon Nicol stated that this appointment was a matter of extreme urgency. It was really phenomenal, he said, how the Pharmacy School had progressed this year. There were not only the day students, but they had about fifty evening students; and it looked to him as if Aberdeen was to take a very prominent position in the teaching of pharmacy. The equipment was totally inadequate unless the students were divided into two sections. The present head of the department could take one of the sections and the assistant they proposed to appoint could take the other. The Governors sanctioned the temporary appointment of Mr. Alexander Webster, B.Sc., as lecturer in chemistry at a weekly salary of 5*l.*

Edinburgh.

There is a project among chemists' assistants and apprentices for a tennis club.

A grocer in one of the towns near Edinburgh still has a brave show of "Sugar Tablets, 50 for 1*s.*"

A. A. Lawson, 240 Morrison Street, is applying for a licence to sell "sheep-dip and sulphate of copper."

Dr. Boon has been appointed Professor of Chemistry at Heriot-Watt College, at a commencing salary of 700*l.* per annum.

Mr. Ernest J. Pike's pharmacy at Eskbank was broken into the other evening, and a small sum of money was taken.

At the recent sale of Mr. Barron's (Albany Street) fittings by auction, T. & H. Smith, Ltd., purchased the clock, which has an historical interest, for 41*l.*

According to a letter, published in a local newspaper, Edinburgh doctors are alleged to have resolved to charge a fee for signing disabled soldiers' documents.

On April 23 Edinburgh Town Council agreed to recommend its Treasurer's Committee to grant factory sites on its Gorgie estate free of feu-duty for a term of ten years.

Not only have there been newspaper advertisements for leeches (*C. & D.*, April 19, p. 49), but several chemists have received inquiries for these, by letter, postcard, and telephone.

A draper's space on the front page of a local paper is devoted to the products of D. & W. Gibbs, Ltd., J. Grossmith, Son & Co., Yardley & Co., Ltd., and Roger & Gallet. Prices are given.

A general meeting of the Edinburgh Pharmacy Athletic Club was held recently at 36 York Place. It was decided to restart the various sections which had been dormant during the war. It was also agreed to have a ladies' sec-

tion, and two ladies were appointed to the Committee. The meeting was well attended, and presages a successful season.

The recommendation of the Edinburgh District Chemists' Trade Association that the usual Wednesday half-holiday be observed on April 30 (following the general closing on April 28) was adopted by a fair number of chemists. At the same time, the opinion has been expressed in various quarters that the day was not an opportune one for the general meeting of Scottish pharmacists at York Place, as the closing was not universal.

Fife.

Mr. Allan Mungall, chemist and druggist, Pittenweem, has been re-elected Secretary of the Pittenweem Bowling Club.

Mr. J. Swanson, chemist and druggist, Newmills, has been released from the Army, and has returned to his business after an absence of two years.

Fifehire chemists have just done a brisk week-end trade owing to the payment of the "Sankey" arrears, of which the Fife miners received 250,000.

Glasgow.

Several cases of dog-bites have been reported to the Glasgow police authorities during the past few days.

The amount contributed in Glasgow to the Ramsay Memorial Fund is 5,177. A total of 6,000 is hoped for, so as to endow one Fellowship to be associated with Glasgow—Sir William Ramsay's birthplace.

Dr. James Hinshelwood, who died at Mentone at the age of sixty, was a few years ago a leading oculist in Woodside Place, Glasgow. He had many friends, who appreciated his zest for discovery and his forthright way of expressing his opinions.

In the course of an article headed "Drug Shortage. Make Your Own Medicine," a writer in the "Glasgow Evening News" of April 23 introduces belladonna and foxglove to the public in these terms:

The belladonna, the majestic wild weed of the wayside, is a highly-prized aid in medicine, and has stood the test and the experience of long years. It was originally employed by Venetian ladies to beautify the face, because it has a wonderful effect upon the skin, rendering it soft and shining. It is also valuable in the cure of sore throat, headache, asthma, and constipation, but should be used internally with great care.

The tall foxglove, so familiar in this country, is another weed which yields a valuable medicine. The roots, the seeds formed at the end of the first year of growth, and the leaves during the period of flowering are the parts usually selected for the preparation of digitalis. This is produced by steeping a certain quantity of the plant in boiling water, and it is a very powerful drug. Digitalis is a specific as a heart remedy, but it is sometimes administered efficaciously in dropsy.

The suggestion of the article is that allotment-holders should turn their attention to the cultivation of medicinal herbs. Due allowance being made for those accidentally poisoned, the rest will be able to try belladonna in the bath and to convert foxglove into digitalis.

[From the "London Gazette," April 29.]

British Pharmacopœia, 1914.

Alteration and Amendment.

In pursuance of the Medical Act, 1858, and of the Medical Council Act, 1862, the General Council of Medical Education and Registration of the United Kingdom have caused to be altered and amended "The British Pharmacopœia 1914," printed and published for the General Council by Messrs. Constable & Co., Ltd., 10 Orange Street, Leicester Square, London, W.C. 2, by withdrawing and cancelling the temporary schedules of alterations and amendments of the said Pharmacopœia, duly made and published according to law in July 1917, and March 1918, respectively; and the medicines and compounds thereby temporarily withdrawn and the directions for preparing them thereby temporarily modified, are from and after April 30, 1919, hereby reinstated in the said Pharmacopœia as set forth in the third issue thereof, as printed and published in May 1917.

On behalf of the General Council,

DONALD MACALISTER, *President*.

NORMAN C. KING, *Registrar*.

44 Hallam Street, London, W. 1, April 30, 1919.

The London office staff of Evans Sons Lescher & Webb, Ltd., instituted during the war a Soldiers' Parcels Fund for those who were serving with the Forces. The final report has now been issued, which summarises the work of the Fund, and asks for suggestions as to the disposal of the balance in hand.

French News.

(From the "C. & D." Paris Correspondent.)

PHARMACISTS' RELIEF FUND.—The distribution of the fund, raised on behalf of pharmacists who have suffered as a result of the war, was discussed at a recent meeting of the General Association of French Pharmacists. Sixteen loans of 80% each for three years will be granted. The number of French and Belgian pharmacies wholly or partly destroyed is about 600, but assistance from the Association is not required in every case. Besides pecuniary contributions, the Association has received offers of goods. Any further offers of this kind will be gratefully received by the Committee. The Committee hope also that the surplus stores and medicaments of the Army Medical Service will be handed over to demobilised pharmacists, and that those from the invaded provinces will be first served. These pharmacists can already obtain similar grants through their Mayor and Prefect.

THE COMPLETE CODEX.—At the Société de Thérapeutique, M. Desesquelle remarked that the French Codex of 1908 states that the medicaments figuring in former editions continue legally to exist and cannot be considered as secret remedies. The complete Codex would therefore consist of the present volume, plus certain extracts from the editions of 1743, 1818, 1837, 1866, and 1884. A few copies of the last two editions may be found in some pharmacies, but the other three volumes can hardly be found outside a few special libraries. He therefore asked the Society to pass a resolution requesting the Codex Committee to publish the missing formulas in a special volume. As Dr. Henri Martin, the well-known Parisian pharmacist, has pointed out, the Codex is "farmed" to a publisher, whose sale is assured by the fact that every pharmacist keeping open shop must have a copy within six months of publication, the penalty for non-compliance with this regulation being a fine of 20%. Are the unfortunate pharmacists (asks Dr. Martin) to be compelled, in the same way, to possess a second volume, principally composed of antiquated galenic formulas?

AFTER MANY DAYS.—At the recent meeting of the Administrative Council of the General Association of French Pharmacists, the President (M. Henri Martin) expressed a wish to see the Alsace-Lorraine delegates once again present. He welcomed back M. Bouville, who had been in the invaded territory for four and a half years. M. Bouville was glad to learn that a relief fund had been raised, and thanked them in the name of the pharmacists of his region. A letter was read from MM. Alfred Levy and Léon Kesler (President and Secretary of the Metz Society of Pharmacy) expressing a wish to be affiliated to the Association. A suitable reply had been made. Professor Broemer announced that a delegation of Strasburg pharmacists was coming to Paris to discuss the question of the organisation of their profession in Alsace-Lorraine. The principal points were: (1) limitation; (2) education. The system of limitation seemed an excellent one, and they should endeavour to obtain its adoption in France. On the other hand, the French system of education appeared superior.

SOCIETY OF PHARMACY.—At the April meeting of the Paris Society of Pharmacy, the President (M. François) announced that it was proposed to strike off the roll the names of all German and Austrian corresponding members except that of M. Fragner, of Prague, who might be considered a Czech. M. Lebeau inquired whether M. Fragner belonged to the German or to the Czech University at Prague, and it was resolved to refer the question to the Czecho-Slovak Mission now in Paris. The President reported that one of their members, M. Fourneau, had been elected a member of the Academy of Medicine. M. Bourquelot stated that he and M. Bridel had discovered in *Loroglossum hirsutum* (an indigenous orchid) a new glucoside which he termed "Loroglossine." M. Grimbert spoke on the amylolytic power of saliva. The President (who is also the chief pharmacist of the Hôpital des Enfants Malades) then presented to the Society a copy of his manual on the "Manipulations of Applied Analytical Chemistry," and thanked M. Grimbert for the information he had furnished on biological chemistry. The report of the Committee on candidatures was read by M. Bernier. It proposed, as resident member, M. Perrot, Professor of Materia Medica at the Paris School of Pharmacy. The President asked the Society to pass a resolution requesting immediate publication of the supplement to the Codex, and urging the Revising Committee to start work on the new edition of the Codex. The Society had nominated several Sub-Committees to study the different portions of the 1908 Codex, and it proposed to follow this precedent for the coming edition.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

BLANKETS (CHEMISTS), LTD. (P.C.).—Capital 1,000*l.* Objects: To carry on business as chemists, druggists, etc. Solicitors: Higgs & Sons, Brierley Hill.

PREBBLES, LTD. (P.C.).—Capital 10,000*l.* Objects: To take over the business of dispensing chemists, pharmacists, dealers in surgical instruments, and nursing requisites, etc., carried on at 187 Kensington, Liverpool, by E. Prebble.

RADITIVE, LTD. (P.C.).—Capital 1,000*l.* Objects: To carry on business as agents for, dealers in, and manufacturers of patent medicines and ointments, electro-therapeutists, etc. Solicitors: Chaproniere & Co., 307 High Holborn, London, W.C. 1.

NASH KENYON & Co., LTD. (P.C.).—Capital 3,000*l.* Objects: To take over the photographic department of J. R. Caye, Ltd., formerly carried on by that company, and more recently carried on by J. Wilson, at 169 Lord Street, Southampton. R.O., 169 Lord Street, Southampton.

LEO ATKINSON & Co., LTD. (P.C.).—Capital 2,000*l.* Objects: To acquire the business of S. W. Barter, carried on at 285 Brockley Road, Lewisham, S.E., as "Leo Atkinson & Co.," and to carry on the business of chemists, druggists, drysalters, oil and colour men, etc. R.O., 285 Brockley Road, Lewisham, London, S.E. 4.

C. V. O. CHEMICAL WORKS (1919), LTD. (P.C.).—Capital 30,000*l.* Objects: To acquire the business of the C. V. O. Chemical Works, Ltd., and to carry on the business of oil manufacturers, refiners, importers, exporters, and merchants, chemists, druggists, drysalters, etc. Solicitors: Bruce Millar & Co., 28A Basinghall Street, London, E.C.

BRITISH GLASS INDUSTRIES, LTD. (P.C.).—Capital 300,000*l.* Objects: To carry on the business of glass, bottle and stopper manufacturers, looking-glass manufacturers, bevelers, silverers, plate-glass manufacturers, makers of moulded and drawn glass for lamps, measures, scientific instruments, and pipes, etc. R.O., 6 Austin Friars, London, E.C.

PHILLIPS PHARMACIES, LTD. (P.C.).—Capital 5,000*l.* Objects: To acquire the businesses carried on at 42 Oxford Street, W., as "Manrieve & Co.," and at 113 Great Russell Street, W.C., as "Idris Phillips," and to carry on the business of wholesale and retail chemists and druggists, etc. Solicitors: Rhys Roberts & Co., 63 Queen Victoria Street, London, E.C.

LEVER BROTHERS, LTD., are making an issue of 200,000 6½ per cent. cumulative "B" preference shares of 1*l.* each at par, full particulars about which will be found in our advertisement columns. The subscription list will close on or before May 10.

JOSEPH NATHAN & Co., LTD.—The annual meeting was held on April 28 at 88 Gracechurch Street, E.C., Mr. L. J. Nathan (managing director) presiding. In moving the adoption of the report, the Chairman said the Government contract for 2,000 tons of Glaxo was renewed for the current New Zealand dairy season. Part of this had already arrived, and had been consumed; the balance is now on the water. The large additional Glaxo factory has been duly completed, and is now in working order. This will materially help to meet the present demand, but further provision would have to be made for the growing trade.

WRIGHT, LAYMAN & UMNEY, LTD.—The report of the directors for the year ended December 31, 1918, states that the year's trading has proved satisfactory. The accounts show that, after providing for bad debts, depreciations, income-tax, and balance of excess-profits duties for 1917, and reserving for those on 1918, there is a trading profit of 18,466*l.* 7*s.* 7*d.* Adding the amount brought forward from last year—viz., 99*l.* 10*s.* 8*d.* (after the transfer of 10,000*l.* to excess-profits duty account)—there remains to the credit of profit and loss 18,565*l.* 18*s.* 3*d.* From this the following appropriations have been made: Dividend of 6 per cent. on preference shares, less income-tax, 3,915*l.*; interim dividends of 10 per cent. on ordinary shares, less income-tax, 3,206*l.* 5*s.*; directors' fees, 4,500*l.*; leaving a balance of 6,944*l.* 13*s.* 3*d.* From this amount the directors recommend a further dividend of 10 per cent., making 20 per cent. for the year, less income-tax, absorbing 3,206*l.* 5*s.*, and a bonus of 1*s.* 6*d.* per share on the ordinary shares, absorbing, less income-tax, a further 2,404*l.* 13*s.* 9*d.*, and leaving 1,335*l.* 14*s.* 6*d.* to be carried forward. Mr. E. B. Layman retires by rotation and offers himself for re-election.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

GERMAN COMPANIES AND INCOME-TAX

In a question to the Chancellor of the Exchequer on April 29, Colonel W. Thorne asked whether the Badische Anilin and other German companies succeeded in the period 1892-1915 in evading a great deal of the taxation they should have justly paid in this country.

Mr. Baldwin, who replied, said the member was under a misapprehension in suggesting that these companies had escaped assessment.

INSPECTING GERMAN CHEMICAL WORKS.

Lord Dunmore has given notice to ask the Government, although no date has been fixed, in what way certain representatives of British chemical firms who were permitted to inspect German munition factories in the occupied area some three months ago were chosen; and what proportion of such representatives were connected with a firm in which the Government is financially interested; and whether he will state what is preventing a commission adequately representing British chemical industry from inspecting these factories, as has been done by French and American manufacturers.

BLEACHING-POWDER EXPORT.

Sir Kingsley Wood asked the President of the Board of Trade on April 29 whether he is aware that German and Austrian bleaching-powder is in the market offered at 11*l.* 10*s.* per ton delivered in Sweden; whether he is also aware that British manufacturers have been unable to ship freely to Sweden because of the time lost in obtaining guarantees from Sweden and export licences on this side; and is he in a position to give an undertaking that these licensing restrictions and guarantees from neutral countries shall be abolished.

Mr. Bridgeman replied that he had no information which would enable him to reply to the first part of the question. As regards the second part, he understood that there has in a few cases been some delay in the issue of licences for the export of bleaching-powder to Sweden, owing to the necessity for obtaining guarantees against re-export. An arrangement has, however, recently been made by the Foreign Office with the Inter-Allied Trade Committee in Sweden that as soon as guarantees have been issued the numbers of such guarantees, with certain other particulars, should be telegraphed to the Export Licence Department, who promptly issue the necessary licence without waiting for the receipt of the actual guarantee. By this arrangement the delays complained of should to a great extent be removed.

TRADE BOARDS AND INDUSTRIAL COUNCILS.

Sir R. Horne, in the course of a speech in the House of Commons on April 29, said: I have no doubt that many members of the Committee are interested in the setting up of Trade Boards, and I should like to say to what extent we have been progressing in the last few months. As the Committee will understand, the chief function of the Trade Boards is to fix minimum wages in the less organised industries. It is one of the most necessary functions which could be performed, and it is one which has led, I am glad to say, to highly beneficial results in the way of preventing labour unrest. In October last there were in existence thirteen Trade Boards, covering 500,000 workpeople, and to-day eleven more have been formed covering 375,000 people, and conferences are now going on which affect a number of others. Similarly in connection with the formation of Industrial Councils. I am sure that the Committee recognise that the most hopeful feature of industrial life to-day is the coming together of employers and employed round a common council-table, taking a common interest in the things which appertain to the industries in which they are both concerned. The Whitley Committee issued a most valuable Report on this matter, and ever since that Report was issued the Ministry of Labour have been very active in setting up as many of those joint councils as possible. There are now thirty-one councils in existence, covering 2,000,000 workpeople, and at the present time drafting committees are at work in twenty-two other industries, covering another million people. The workpeople are getting a knowledge, a real knowledge, of the industries in which they are concerned, and I am glad to think that the employers on their side are also learning somewhat more intimately of the precise aspirations of the workmen whom they employ.

Pharmaceutical Society of Great Britain.

Conference of Local Association Delegates.

THE meeting of the Conference of Local Association Delegates on April 23 was dealt with in our last issue (p. 70), brief references being also made to the following day's sitting, which had not concluded when we went to press. Thursday was occupied mainly by discussions on Insurance dispensing and Conference representation. Mr. W. L. Currie (President) again occupied the chair, and, in the absence of Mr. W. S. Glyn-Jones during the morning, Mr. G. A. Mallinson took his place on the platform.

NATIONAL HEALTH INSURANCE TERMS.

Mr. S. F. Body (Southend) moved:

That this Conference is of opinion:

(a) That the existing dispensing fees for N.H.I. prescriptions are totally inadequate;

(b) That under pre-war costs of labour and living the remuneration was insufficient in 1914;

(c) That the changes in method of calculation under the 1916 Tariff actually reduced remuneration, and it is only by war increases to the establishment charge that the 1918 Tariff restored the *status quo ante*;

(d) That panel chemists are little better off under the terms for 1919 than for 1914;

(e) That the cost of living to-day is, upon the Government's own admission, enormously higher than before the war.

The resolution was carried.

The next resolution was as follows:

That the present Tariff system, whereby cost price for drugs is paid and the remuneration obtained entirely from dispensing fees, be continued.

This having been moved and seconded, seven amendments, most of which had reference to dressings and appliances, were discussed at some length, and were ultimately lost or withdrawn. The eighth amendment, moved by Mr. J. E. French (Kent) called for insistence on the total abolition of non-extemporaneous dispensing fees. In the course of the ensuing discussion some allusions to the non-extemporaneous list led to Mr. Mallinson being asked to state the position. Mr. Mallinson said that it was quite right that the Superintendent of the Pricing Office had power to vary the fees; if he found that any particular preparation was ordered in large quantities, it was permissible to give the non-extemporaneous fee. Obviously, if a chemist, by not having a thing in stock, could always get an extemporaneous fee, a premium was put on bad stock-keeping.

This statement led to some more questions, and Mr. Mallinson made a further statement. He said that those present must get clearly in mind what they had contracted to do and what the Government had contracted to pay. The Government had contracted to pay an extemporaneous dispensing fee where the article was usually dispensed, and a non-extemporaneous fee if the article was usually supplied from stock. He said "usually" because, obviously, in making such a contract they could not define exactly what they were going to do in individual cases, unless they took the bold plunge of paying one fee regardless of whether it suited the operation or not. If the non-extemporaneous fee were to be abolished, pharmacists would not necessarily get the present extemporaneous fee for the non-extemporaneous article. It was possible the Government would take the obvious course of paying an average flat-rate fee, which would leave pharmacists in exactly the same position as now. The revision of the non-extemporaneous list might be carried out by any Pharmaceutical Committee at any time during the year. Some confusion appeared to exist as to these lists. The basis of the non-extemporaneous fees was a circular drawn up at the beginning of 1916, and which had been circulated to every Pharmaceutical Committee. But there was another list which he felt certain the bulk of the Pharmaceutical Committees had not yet seen, although there was no reason why they should not. That was the Pricing Office chart. It had been drawn up by the Pricing Office for their own information only, and had been based upon the original list, which had been sent to the Pharmaceutical Committees. The Chairman authorised him to say they would circulate that list also, and he (Mr. Mallinson) would also suggest that the original memo-

randum should again be circulated. As to this amendment, he thought it would be inadvisable to proceed with it.

The amendment was lost, and the original resolution was carried.

The next resolution,

That an increase of 50 per cent. on the present dispensing fees be demanded from the National Health Insurance Commissioners for pharmaceutical service for 1920, was carried after eleven amendments had been lost, withdrawn, or had failed to find seconders.

Mr. D. Marchant (Eastbourne) moved:

That the cost of drugs be calculated to one-tenth of a penny.

The resolution was lost, an amendment that the minimum charge per ingredient be 0.1d. being accepted instead.

Mr. B. Harries (Newport, Mon.) moved:

That a "down-tools" policy would not be in the best interests of pharmacy generally or obtainable locally.

After some discussion the following amendment was adopted:

That in the event of failure to negotiate an agreed minimum demand a ballot of panel pharmacists be taken for the purpose of deciding the question of a uniform discontinuance of service for 1920, such ballot to be taken before the next Conference.

At a later stage it was agreed that the results of the ballot should be acted upon at the discretion of the Local Associations Executive.

After the luncheon interval the following resolution was carried:

That the Commissioners be pressed for more chemists' representatives on the Insurance Committees, preferably in proportion to the number of panel chemists, as at present a small county borough with fifteen chemists and the Lancashire county with 313 chemists have each one representative only.

CONFERENCE REPRESENTATION.

Mr. Sargeant (Chairman of the Executive Committee) moved a lengthy resolution providing for the representation of Associations at the Conference in accordance with the following scale:

No. of Men on Panel	No. of Delegates	No. of Men on Panel	No. of Delegates
up to 50 ...	1	401 up to 450 ...	9
51 " 100 ...	2	451 " 500 ...	10
101 " 150 ...	3	501 " 550 ...	11
151 " 200 ...	4	551 " 600 ...	12
201 " 250 ...	5	601 " 650 ...	13
251 " 300 ...	6	651 " 700 ...	14
301 " 350 ...	7	701 " 750 ...	15
351 " 400 ...	8	751 and upwards ...	16

The allocation between panel and general pharmaceutical interests was also laid down in the resolution. After a long discussion the resolution (which, *en route*, had been amended) was defeated by 69 votes against 59. Mr. H. W. Stiles (Yorks, West Riding) subsequently obtained the suspension of the standing orders, and moved the original resolution with the alteration of the last four lines of the table, the effect being that twelve delegates should be the number for "551 and upwards." This was carried. The following resolution was also carried:

That in case of Associations only allowed one delegate to the Conference, if that delegate is a member of the Pharmaceutical Committee, the Secretary should also be allowed to attend at the cost of his own Association, but without power to vote on any resolution.

RURAL AREAS.

Permission was asked to withdraw a resolution demanding the abolition of the mile limit and the cessation of "the unfair treatment of chemists" in rural areas, but the resolution was moved and seconded. An amendment was eventually adopted, the effect of which, it was understood, was to leave the insured person at liberty to select either the doctor or the chemist as dispenser.

FUTURE ARRANGEMENTS.

A resolution in favour of the abolition of stock mixtures having been defeated, attention was turned to the future. It was agreed that the Secretary should forthwith proceed with the arrangements for the election of the new Executive; and it was left to the Executive to fix the date of the next Conference. The following resolution was also carried:

That the method outlined in the scheme for appointing delegates to the Conference be adopted in connection with the appointment of representatives to future District Conferences or group meetings.

A vote of thanks to the President for his services in the chair terminated the proceedings.

The Cost of Dispensing Medicines.

A Paper read by Mr. C. T. Allen, Ph.C., at a Meeting on April 23 of the Western Pharmacists' Association (of London).

An abstract of this paper was published in the *C. & D.* last week (p. 74), but the subject dealt with by Mr. Allen is, in view of the high cost of service and materials, of sufficient importance to warrant us giving the full paper. Mr. Allen said:

During the war the difficulties of carrying on business made it incumbent upon some of us to seek a safer and more methodical system of pricing work carried out in the dispensing department than the old irrational one, which concerned itself very largely with the size of the bottle or the number of doses prescribed. For many years I have felt convinced that pharmacists generally could not be getting the recompense they deserved for the specialised work and for the number of hours they are usually called upon to devote to the service. There are pharmacists who make good incomes, sometimes without the exercise of much pharmaceutical knowledge. A pharmacist's training, if he has had a thorough apprenticeship, not only fits him as a dispenser of medicines, but teaches him to apply his knowledge to the compounding of many articles for which there is a constant demand. In other words, there are more ways than one for a pharmacist to make a living without overstepping the domains of pharmacy and the allied subjects. I see no reason why a pharmacist who prefers to earn his income chiefly by specialising in photographic business, toilet preparations, and other such requirements, should not do so without detriment to his prestige. On the other hand, I contend that the pharmacist who prefers to live chiefly by the practice of pharmacy as applied to the dispensing of medicines should also be able to do so with at least equal prospect of success. In the interest of pharmacy that is, in my opinion, a primary consideration.

I am not here to pose as a financial expert, but I suggest that a satisfactory system of pricing, which could be adopted by a young pharmacist desirous of opening a dispensing pharmacy, and which he could feel assured had been proved to be a safe one by his predecessors and older *confrères*, and a fair one all round, is not at present available. There should be such a system, and there are no real and valid reasons why there should not be one. The system of pricing Insurance prescriptions is an advance on the ancient method to which reference has already been made, although our remuneration would certainly have been very much better to-day for Insurance work had we possessed a rational and well-tried system of pricing at the inception of the Insurance Act. Our standard of charges was absurdly low in pre-war days, and in all probability is too low at the moment.

I am quite aware of the difficulties of the question. One of the foremost is the fact that there are plenty of instances where a dispensing department is run intentionally at a very low rate of profit as a means of attracting customers to other departments run at a much higher rate of profit. That difficulty need not be even a hindrance to any pharmacist who possesses an average degree of personality and initiative. With a large percentage of the intelligent public the dispensing of medicines is a personal matter, and the public, generally speaking, are quite prepared to pay for that personal service if it is good. In the past, despite the fact that our organisation has vastly increased, the financial side of pharmacy has scarcely received consideration, except in connection with such subjects as "face value" for proprietary medicines and National Health Insurance—which, with most pharmacists, are by no means the main sources of income. It is time that some effort should be made collectively by pharmacists to improve the financial outlook of pharmacy and set it on a more modern and logical basis. It is time to eradicate the haphazard methods, not only for the sake of those at present carrying on, but for the benefit of those who will be our successors.

There are a large number of pharmacists who could cut out the dispensing department altogether and still have sufficient work of other kinds for their purpose. On the other hand, there are many pharmacists who derive their principal source of income from their dispensing department. In some cases these two classes of chemists are near neighbours. Now, if a pharmacist knew accurately the actual cost to him of each prescription, there would be a practical guarantee that at least no work would be undertaken at a loss, and we should not find one chemist quoting threepence less than the other man as part of his individual system. An elevation of the status of pharmacy and phar-

macists would be the certain result of a sound, businesslike pricing system.

There is another reason for desiring a businesslike system of pricing. We all know that salaries have increased materially, and no doubt at some not distant date a scale of minimum wages will be fixed for employes of the craft generally. It will be a very good thing, provided the scale is not unreasonable and that there is no attempt to limit the efforts of a quick man or destroy initiative, also providing provision is made for apprentices and improvers. Such increase in the cost of conducting pharmacies alone must have caused many proprietors to examine their costs, and will cause more to do so in the future. That also will be a good thing.

The system with which our firm has experimented during the past two years is as follows:

We reckon the cost of each ingredient, also the container, then add a figure which includes dispenser's time and overhead charges in order to ascertain the actual cost. Whatever profit is added is net profit.

Ever since I can remember we have always kept a dispensers' list—that is, a book in which each item dispensed during the day is entered by the actual dispenser, new prescriptions and repeats. From investigations of these records by my brother and myself, working separately and comparing results, we find that the average numbers of items dispensed per hour by most dispensers is rarely above three; in other words, taking eight hours' work, about twenty-four would represent an average day's work for each dispenser. Remember, this is not competition dispensing or examination-room dispensing; it is dispensing by assistants doing their ordinary daily duties week in and week out.

These results have been tested with different individuals, and I cannot see that anyone reaches the average of four items per hour except in times of extra pressure. This is an average which should work out very closely in any given area, and once ascertained would be a check against undue slowness on the part of any individual dispenser.

The next figure ascertained was the proportion of business returns accruing from dispensing charges—a figure also obtainable from the dispensing lists. Then we required to find out the total overhead charges on the business, including all salaries, and to allot a portion of them to the dispensing department, based on the ratio which the dispensing returns bear to the total returns. We then ascertained the overhead charges *plus* salaries chargeable to the dispensing department per hour, and divided that amount by the number of dispensers continuously employed and the average number of items dispensed. When we worked out this figure we obtained a charge of at least sixpence per item for labour and overhead charges.

An example of the system is shown in the following mixture:

Sod. salicyl.	...	...	...	3ij.	1
Pot. cit.	...	...	...	3ij.	2
Liq. amm. acet.	...	...	...	3j.	$\frac{1}{2}$
Aq. camph.	...	...	...	3iv.	2
Aq. ad	...	...	...	3vj.	
Container					3
Overhead charges					6
					1s. 2 $\frac{3}{4}$ d.

The actual cost is apparently about 1s. 3d. I say apparently, because when the matter has been gone into further we shall probably find the figure is higher rather than lower, in consequence of advanced salaries.

It has been my endeavour to interchange business views with men I know in other vocations. Recently, in conversation with one of the partners of a printing firm, I found that during the war the Master Printers' Association have taken up the question of costs with a view of helping their members to conduct their business on sound financial lines, and to save those who guess prices (and therefore often underquote) from themselves and from being a danger to their *confrères*. I suggest that we pharmacists would benefit by similar help. Curiously enough, the lines the printers are working on are similar to those with which my brother and I have been experimenting for the past eighteen months or two years in a different business. I gathered that a costing expert has been engaged and has examined the figures of a considerable number of printing establishments—large, small, and medium. From these he has worked out the costing rate per hour for the various departments. The Master Printers' Association is able to tell its members, for instance, that the costing rate per hour in their compositors' department averages a certain number of shillings per hour per worker engaged for their particular district. With such information for each department

it is an easy matter to ascertain the actual cost of any work and to ensure a definite profit. Printing is a craft, and is in some ways analogous to our work. The dispensing of printer's ink by means of different types and the intelligent use of all the utensils of the printer's laboratory require specialised knowledge and training, and the time occupied by the workers forms a considerable percentage of the cost of carrying out any particular piece of work. It is the same in pharmacy. This information strengthened the idea that any system of pricing prescriptions can only be rational if the total actual cost of the finished article is known, and that can only be ascertained easily if the value of the time expended on the work is known, as well as the amount of the overhead charges in the department for the period of time occupied in turning out the work.

I am not yet certain that our calculations are correct, although they are probably near enough for a start. I hope, in the near future, to get the help of an expert accountant in the matter. In any case, there are many points in a matter of this kind which cannot be satisfactorily elucidated except by collaboration between pharmacists and with the help of an expert in figures. No single individual can carry out a matter of this kind as well as it could be carried out collectively. I suggest that a small Committee be appointed to investigate the question of dispensing charges, with a view of arriving at a rational scheme upon which to base these charges, and that the Committee's report be discussed before a general meeting of the Association at a later date.

There are very many points which I have not attempted to touch upon this evening. To give one instance, there is the pharmacist who runs his business single-handed and has no assistants. In that case he would have to include his own time, reckoned at the ruling salary of a qualified dispenser, when ascertaining the costing rate per item, and charge the usual profit in addition. This enables the single man with the smaller turnover to make the larger rate of profit, which he must do, as compared with the man who is doing a larger return with the help of assistants.

To facilitate the costing of ingredients a table of principal ingredients is prepared, showing at a glance the costs per ounce and drachm. This avoids the laborious effort of repeated reference to drug lists.

Festivities.

Outing.

In celebration of the golden wedding of Mr. John Monks, a director of R. Taylor Monks & Co., Ltd., wholesale druggists, Radcliffe, Manchester, the employés have had a day's outing to Liverpool and New Brighton.

A Supper and Whist-drive.

The spirit of *camaraderie* that animated an important section of Pinoli's Restaurant, London, on the evening of Wednesday, April 30, augured well for the continuance of the Entente (in spite of Peace Conference discussions) and the future of pharmacy. The occasion was a very successful supper and whist-drive, held under the auspices of the Western Pharmacists' Association, and about 130 pharmacists, drug-trade men and ladies foregathered in pleasant amity. The guests were received by the President (Mr. C. A. Noble) and Mrs. Noble, and among those present were three Councillors of the Pharmaceutical Society—Messrs. Jenkin, Melhuish, and Skinner. The supper preceded the drive, an excellent arrangement, and besides acting as chairman Mr. Noble was M.C. at the drive. A feature of the supper was the high-class musical programme provided. In the course of the evening the Chairman referred to the knighthood which had been bestowed upon Mr. W. S. Glyn-Jones, and announced that the Western Pharmacists' Association had responded to the tune of over 1,000, to the appeal on behalf of the War Auxiliary Benevolent Fund. Play was begun immediately after supper, the prize-winners being: Ladies (1st), Mrs. Chalmers; (2nd), Mrs. Wolff; (Consolation), Mrs. Watson. The successful gentlemen were Mr. Royle (first prize), Mr. Head (second), and a consolation prize to another gentleman of the party who retired before his identity could be confirmed.

A CRUSHER FOR CHEMISTS.—Pharmaceutical students, released from the Army, hailed with joy the offer of Government aid at college. Some were so confident that they borrowed money for their fees, trusting to repay by means of State aid. Now comes the astonishing fiat that no student may start until October next, those already entering college to receive no help at all. This is merely an order for men to lie idle and waste time, punishing those who have been eager enough to make a start.—*John Bull.*

Pharmaceutical Society of Cape Province.

THE annual general meeting of the Pharmaceutical Society of Cape Province was held at the Society's Rooms, Darling Street, Cape Town, on February 13. There were present, among others: Messrs. D. L. Petrie (President), Corrigan, Froembling, Hill, Hughes, Cheetham, Ross, Roytowski, Sloan, and Edelstein. Before commencing the business of the meeting the President expressed the Society's regret at the death of the late Secretary, Mr. F. C. Spruce. Mr. S. W. Hill also testified to the loss sustained by the Society and the craft. The President, reviewing the work of the past year, said: "It is probably the blackest in a calamitous sense which the Cape Province Pharmaceutical Society has to record, and notably so towards the end of the year. Notwithstanding much 'lobbying' and preparation, our efforts towards the amendment of the proposed Medical, Dental and Pharmacy Bill were unfortunately unavailing. Early in the Parliamentary session this much discussed measure was relegated to the limbo of useless if forgotten things. Nor are we at the moment permitted to learn when it may again be brought forth. The great world-war tragedy during the greater portion of the year continues to overshadow the horizon. The fruits of a lasting peace have yet to be gathered. Tribute to the stalwart sons of pharmacy who have gone forth to the greatest of all tests has been recorded on the archives of the Society, and what measure of consolation could be offered was gratefully acknowledged. In October last we were faced with what may fittingly be termed a national calamity—the influenza epidemic. The facts and figures of that disaster are well known to you all. It is surely a lightsome touch in this dire chapter to know that chemists to a man strove valiantly to stem the tide of distress and suffering. Many of our *confrères* fell victims to the scourge. It is with extreme regret that I have to recall that our membership death-roll during the year numbered six, including our Hon. Secretary. May they rest in peace! It would be impossible to deny that the lessons afforded all of us during this disastrous year have been great. The armistice alone would seem to have afforded the one indication of a new era for which all have hoped, fraught with more potent and less barbarous possibilities. In passing, I may add that it could generally be conceded that the epidemic found a great measure of unpreparedness in all departments, municipal and State, as well as medical and pharmaceutical. Does need exist for a local formulary? let us ask. I have to record that on this occasion there will be no Secretarial report." The President concluded by thanking the members for their support, and by paying a tribute to the honorary officials who had assisted him. The Treasurer, Mr. S. W. Hill, then presented his report, which showed that the financial position of the Society had improved during the year, and was now quite satisfactory. The balance sheet had been duly audited and found correct by the honorary auditors, Messrs. Cheetham and Bridger, to whom the Society are indebted for their willing work. The report was adopted. Dr. Froembling's school report was then read. He said: "The number of individual students which attended one or other of the lectures or rambles during the year was twenty-five—a 'record' number. The average attendance was only ten, this being mainly due to circumstances lying beyond the control of the students. Three students passed the Qualifying examination, two locally, one in London. Lectures had to be suspended for six weeks during the influenza epidemic, and this was mainly the reason why only one student made an attempt to qualify 'at the last term.' Three promising young students died during the epidemic, Messrs. Satsky, Wiener, and Mirwish, and two past students, Messrs. Mason and McCuig, passed away at the same time. Some students have left the district; some intend proceeding to Europe to complete their studies there; and eleven remain to start a fresh course. Six others have expressed a desire to join." The Chairman then declared the following members, having been duly nominated, to be the Council for the ensuing year: Messrs. J. R. Corrigan, W. Froembling, S. W. Hill, T. J. Hughes, H. P. Marshall, R. Oxenham, D. L. Petrie, A. Ross, H. Roytowski, J. Sloan, W. J. Smith, and J. Sowden. The election of officers by Council was as follows: President, Mr. S. W. Hill; Vice-Presidents, Messrs. D. L. Petrie, and J. R. Corrigan; Treasurer, Mr. A. Ross; Secretary, Mr. J. Sloan. Mr. Sowden proposed a vote of thanks and appreciation to the retiring President, which was carried unanimously.

Births.

HUTCHESON.—At Bellevue, Johannesburg, on March 7, the wife of J. C. Hutcheson, chemist and druggist, of a daughter.

LEVER.—At "Heathfield," Bebington, on April 23, the wife of the Hon. W. Hulme Lever, of a daughter.

PATERSON.—At the Private Nursing Home, 7 North Frederick Street, Dublin, on April 23, the wife of A. J. Paterson, M.P.S.I., 6 Merrion Row, of a son.

Marriages.

ELDER—SKIDMORE.—At Holy Cross Church, Ryton-on-Tyne, on April 24, by the Rev. C. B. Hunter, Sergeant Norman Elder, R.A.M.C. (T.F.), chemist and druggist, only son of Mr. A. S. Elder, Newcastle-on-Tyne, to Jennie, elder daughter of Mr. J. T. Skidmore, Ryton-on-Tyne.

HAMPTON—HODGENS.—At St. Paul's Church, West Smethwick, on April 21, by the Rev. A. F. Giddings, Wilfred Marsh Hampton, B.Sc. Lond., only son of Mr. George Hampton, pharmacist, West Smethwick, to Minnie Violet Lloyd, elder daughter of Mr. W. H. Hodgins, Fishponds, Bristol.

LINTON—CLARKE.—At St. Luke's Church, Belfast, on April 16, by the Rev. M. Williams, Ernest Linton, R.D., to Annie E., only daughter of the late Mr. William Clarke, Soldierstown, Lurgan.

Deaths.

GOULD.—At a military hospital in London, on April 18, Captain Frank Allan Gould, a director of Camwal, Ltd., aged fifty-four. Captain Gould, who was a skilled marksman, had been Director of the Fourth Army Sniping School at the Front. He was on active service throughout the war, and it is believed that the intense strain of his duties brought on the illness from which he died.

McKNIGHT.—At Fleet, Hants, on April 28, after a long illness, Mr. John McKnight, chemist and druggist, aged sixty-six.

SCHOLES.—At 62 Main Street, East Ardsley, on April 17, Mr. Frederick Darfield Scholes, chemist and druggist, aged seventy-two. The funeral took place at St. Michael's Church, East Ardsley, on April 21.

TURPIN.—At Oxford, on April 19, suddenly, Mr. Alfred Barritt Turpin, chemist and druggist. Mr. Turpin, who passed the Modified examination in 1870, carried on for many years the pharmacy at Chippenham now in the possession of Mr. C. L. Tayler, Ph.C. He was at one time a member of the Chippenham Town Council, and served a term of office as Mayor. On his retirement in 1910 he removed to Oxford. His death took place while cycling.

Wills.

MR. ALFRED PHILIP BAKER, chemist and druggist, 190 Ditchling Road, Brighton, who died on March 20, left estate valued at 894*l.* 11*s.* 3*d.* gross, with net personalty 195*l.* 10*s.* 3*d.*

MR. SAMUEL BOWMAN, chemist and druggist, Vane House, Now Silksworth, near Sunderland, who died on May 23, 1918, left estate valued at 2,194*l.* 2*s.* gross, with net personalty 1,340*l.* 4*s.* 5*d.*

MR. THOMAS RICHARD CONNOLLY, Ph.C., The Crescent, Dundalk, co. Louth, who died on November 30, left personal estate in the United Kingdom valued at 9,260*l.* 2*s.* 3*d.*, of which 733*l.* 10*s.* 4*d.* is in England.

DOMINICAN LIME-JUICE.—"The Times" correspondent, Kingston, Jamaica, reports that, owing to shipping restrictions, the lime-juice industry of the island of Dominica sustained a heavy blow last year. The shipments during 1918 were only 7,373 barrels, against 41,053 barrels in 1917. This represented a loss to the island of upwards of 30,000*l.* It has been suggested in Dominica that it is the duty of the Government to come to the assistance of the peasantry by establishing central factories worked on co-operative lines similar to the factory operated by the Government of St. Lucia, but the idea is not popular in some quarters.

Personalities.

MR. C. M. PARKINSON, chemist and druggist, Blackburn, has been re-elected parishioners' warden at St. Silas' Church.

MR. ALFRED MILLNER (representing Sangers, Euston Road, London, N.W. 1) is now on the road again after an absence of nearly three years.

MR. F. A. BELL has been appointed manager of the drug and surgical department of Selfridge & Co., Ltd. **MR. F. B. Arnold** will succeed him as managing director of S. F. Goss, Ltd.

MR. T. R. MITCHELL, chemist and druggist, manager of the drug department of Cargills, Ltd., Colombo, Ceylon, goes home on leave shortly, and on his return to Ceylon will become general manager.

MR. T. H. DAVIES, chemist (Boots, Ltd.), Aberdeen, is the winner of the Easter Cup presented by Lord Aberdare to the Aberdare Valley Golf Club for competition in a stroke handicap. The scores were: 85-14=71 net. The cup is of silver.

MR. DAVID JONES, Porthcawl, who celebrated his golden wedding on April 23, was in business as a chemist and druggist before August 1, 1868. He afterwards became the licensee of the Red Lion Inn, Aberavon, and built the theatre in that town.

MR. W. A. SALTER, Ph.C., who was Bell Scholar in 1887 and Pereira Medallist in 1888, is the subject of a biographical note in a recent issue of the "War Cry," from which it appears that he is an officer of the Salvation Army and is stationed in Peking.

Two Scarborough chemists have been appointed churchwardens at this year's Easter Vestries—**MR. T. W. Longdin,** Eastborough, as vicar's warden at St. Thomas's, and **MR. H. M. Hirst,** manager to Whitfield & Son, Filey Road, as vicar's warden at Holy Trinity.

MR. D. R. ROWLANDS, chemist and druggist, Mayor of Birkenhead, entertained the Lord Chancellor on April 28, and conferred upon him the freedom of his native borough. Owing to trouble with a snowdrift, Lord Birkenhead's arrival was delayed for three hours.

MR. JOHN W. CUSSONS, Dorchester, who is well known as Hon. Secretary of the Dorset Pharmacists' Association and the Pharmaceutical Committee, has resigned those positions owing to ill-health. His successor in office is **MR. Donald A. Haynes,** The Mentone Pharmacy, Parkstone.

MR. FREDERICK SODDY, F.R.S., was elected on April 29 to the newly established second Professorship of Chemistry at the University of Oxford. Mr. Soddy, whose achievements in scientific research have gained for him an international reputation, will share the work with **DR. W. H. Perkin,** the Waynflete Professor.

MR. J. H. HOPLY, pharmacist (Cheers & Hopley, Chester), has received news from India that his son, **MR. Gordon D. Hopley,** has passed out of the Royal Military College, Quetta, third in the list, taking the prize for organisation and administration and honours in topography and tactics. **MR. Gordon Hopley** is to be commissioned in the 14th Sikhs.

MR. WILLIAM HOLT, chemist and druggist, Blackburn, an ex-President of the North-East Lancashire Chemists' Association, met with an unpleasant accident on April 26. **MR. Holt,** who is the dispenser at the Blackburn Infirmary, was leaving a moving tramcar in order to recover his hat when he slipped and fell into the roadway, sustaining an incised wound.

The New Year's honours were only announced this week, the Prime Minister having been too immersed in the arrangements for the Treaty of Peace to give his attention to the list of honours for political services. We refer to the knighthood conferred on **MR. W. S. Glyn-Jones** elsewhere in this issue. **DR. Norman Moore,** President of the Royal College of Physicians, receives a baronetcy, and **MR. Charles S. Tomes,** the dental nominee of the Crown on the General Medical Council, has been made a knight. **Professor R. A. Gregory,** who last year organised the British Scientific Products Exhibition, has been knighted, as has **MR. James Martin,** Chairman of the London Chamber of Commerce. **DR. T. J. Verrall** is another medical man who has been knighted.

PRICES OF OPIUM AND COCAINE.—A South African medical man writes to the "British Medical Journal" of April 19 complaining of the "extraordinary and unjustifiable prices of opium and its preparations and of cocaine," and stating that cocaine "is now practically unusable in ordinary practice." He expresses a hope that the matter will be taken up with the Government in order to secure a supply at reasonable prices.

Trade Notes.

C. J. HEWLETT & SON, LTD., 35 to 42 Charlotte Street, London, E.C. 2, inform us that as from May 1 their premises will be closed at 5.45 P.M. (Saturdays, 12.15 P.M.).

SAN SAT is the name given to a new hand cleanser and skin beautifier made by John Bell, Hills & Lucas, Ltd., Oxford Works, Tower Bridge Road, London, S.E. 1. Particulars of a bonus offer are given in an advertisement in this issue.

STRAW-HAT CLEANER ENVELOPES.—Suttley & Silverlock, Ltd., devote their advertisement in this issue to straw-hat cleaner envelopes. These are offered with three attractive showcards and a well-tried formula. The large showcard is shown in the advertisement, and the two small cards show a straw hat on a tinted background. The designs are striking and in colour.

OZOMINT TOOTH-PASTE.—Cixon, Gerrard & Co., Ltd., Oldbury, reproduce in their advertisement in this issue one of their Ozomint tooth-paste showcards. The tooth-paste, of which we have examined a sample, is pure white, pleasantly flavoured with peppermint, and contains 40 per cent. of potassium chlorate. The paste is very pleasant to use, and from its composition is particularly useful in sensitive conditions of the mouth and gums.

"THE JAZZ WHEEL."—This is the name of an ingenious toy which is being offered to the drug-trade by Thomas Christy & Co., 4, 10 and 12 Old Swan Lane, Upper Thames Street, London, E.C. 4. The toy takes the form of a black circular disc of cardboard, upon which are two smaller circles painted in primary colours. A string passes through the centre, and by manipulating this the discs can be made to revolve, and show a range of colour which assumes different patterns according to the rate of revolution. The trade price is 4s. 6d. per dozen, and showcards are supplied inviting the public to witness a demonstration of the toy.

SPARKLET BULBS.—Aerators, Ltd., Angel Road, Edmonton, London, N. 18, give the outline in their advertisement of a scheme for reintroducing sparklet bulbs to the public. As our readers are aware, the company have been making munitions of war, and the bulbs they were producing were largely taken by the military hospitals, so that the public had to go short. The consequence has been that many sparklet syphons have had to be put on one side and certain parts have deteriorated. Aerators, Ltd., now ask the trade to supply to sparklet users free wearing parts (pin, bulb-neck washer, etc.), and will send a supply, carriage paid, to all dealers who will undertake their distribution. Showcards announcing the offer to the public will also be sent to chemists.

"SEMPROLIA" PETROLEUM JELLIES.—We have had the opportunity this week of examining the series of petroleum jellies which are being sold under the brand name "Semploria" by Wm. Browning & Co., manufacturing chemists, Albert Works, Park Street, London, N.W. 1. Semprolia No. 1 is a snow-white petroleum jelly of the highest quality. It is specially refined for internal use, but is also adapted for high-class pharmaceutical and toilet preparations. It is quite free from smell or taste, and we are assured that the colour and other physical properties will not change no matter how long the jelly is kept in stock. No. 2 Semprolia is a white jelly of the usual type, and No. 3 is pale yellow, both answering official requirements, while No. 4 is an amber jelly for veterinary use. This Semprolia series of petroleum jellies is put up in lever-top tins containing approximately 14 oz., neatly labelled, and convenient for retail sale.

C. & D. BOOKS.—The following revised prices for THE CHEMIST AND DRUGGIST series of books came into force from May 1: "Pharmaceutical Formulas," 15s.; "The Art of Dispensing," 8s.; "Veterinary Counter Practice," 6s.; "Elementary Dispensing Practice," 3s. 6d.; "Chemists' Windows," 3s. 6d.; "Diseases and Remedies," 5s.; "Chemists' Dictionary of Medical Terms," 3s. 6d.; "Proctor's Pharmaceutical Testing," 2s. 6d.; "Guide to the Preliminary Examination," 3s. 6d.; "Practical Methods of Urine Analysis," 3s. 6d.; "Opening a Pharmacy," 2s. 6d.; "Chemist's Dictionary of Synonyms," 3s.; "Provincial Hospital Pharmacopœias," 5s.; "Minor Experiences," 2s. 6d.; Wootton's "Chronicles of Pharmacy," in two vols., maroon cloth, 10s. 6d. The prices quoted are net, and the books can be obtained at those prices from all wholesale houses, or from the office of THE CHEMIST AND DRUGGIST. "Pharmaceutical Formulas" and "The Guide to the Preliminary Examination" are at present out of print, but we hope to be able to supply them soon.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," April 9, 1919.)

- "TERRACIDE"; for chemicals (2). By Gasonite Co., Ltd., Cromwell Road, Great Grimsby. 388,159.
 "ROX"; for chemicals (2). By The "Sanitas" Co., Ltd., Locksley Street, Limehouse, E. 14. 388,493.
 "SPIDENE"; for chemicals (2). By The Yalding Manufacturing Co., Ltd., near Hampstead Lane, Yalding. 388,507.
 "COLLENZA THE COLD CURE BRAND"; for a cold and influenza remedy (3). By W. M. Watson, 31 Pelham Street, Nottingham. 385,986.
 "LAUDERETTE BRAND MEDICATED VOICE LOZENGES"; for medicated voice lozenges (3). By Boot's Pure Drug Co., Ltd., 37 Station Street, Nottingham. 387,083.
 "ZIGWA BRAND THE PAIN KILLER," etc.; for a liniment (3). By F. A. Harper, C. Muir, and H. W. Day, 4 Fullarton Street, Ayr. 387,348.
 "TORPEDO" with picture of eame; for medicinal chemicals (3). By Hough, Hoseson & Co., Ltd., 2 Bridge Street, Manchester. 388,531.
 "ELICA"; for medicinal chemicals (3). By The Sen-Al Bean Manufacturing Co., 169 Brockley Road, S.E. 4. 387,943.
 "SYNNOI"; for dental and surgical instruments (11). By The Coventry Dental Requisites Co., 40a High Street, Erdington, Birmingham. 387,976. (Associated.)
 "ACIESAC"; for food-substances (42). By American Commerce Co., Ltd., 19 St. Bride Street, London, E.C. 4. 387,752.
 "GOLDSUD" and "POLISUD"; for all goods (47). By R. E. Atkinson, 81 Binn's Road, Old Swan, Liverpool. 388,260/1. (Associated.)
 "DODENE DRY CLEANER" on label; for a cleaning preparation (47). By W. Patterson, 65 Basinghall Street, London, E.C. 2. 388,648.
 "COLETTES"; for perfumery, etc. (48). By M. Rogerson & Son, Ltd., 8 Darley Street, Bradford. 382,456.
 "TRESSOLA"; for toilet preparations (48). By Maison Prest, Ltd., 24 Stephen's Green, Dublin. 386,934.
 "VANORE"; for perfumery, etc. (48). By Ada Fisher, 10 Norfolk Street, Strand, W.C. 2. 387,877.
 "GREXITE"; for hair preparations (48). By F. A. Gray, F. A. Gray Building, 14th and Oak Streets, Kansas City, U.S.A. 388,031.
 "FLOBOGEN"; for all goods (48). By F. C. Goddard, 49 Voltaire Road, Clapham, S.W. 4. 388,214.
 "KIDBY" under picture of little girl ("Kiddy" disclaimed); for tooth powder, etc. (48). By Hough, Hoseson & Co., Ltd., 2 Bridge Street, Manchester. 388,155.
 "ORADIUM"; for perfumery (48). By J. H. T. Roberts, Mayville, Ryecroft Road, Meols, Cheshire. 388,222.
 "SUPREME"; for perfumery, etc. (48). By L. Kirk, 70 Cambridge Mansions, Battersea, S.W. 11. 388,403.
 "MIMI"; for all goods (48). By P. Brown, 186 Mare Street, Hackney, E. 8. 388,637.
 Monogram "S D H" in circle; for tooth brushes (50). By S. D. Hey, 32 Park Square, Leeds. 387,807.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

134/32. Buer's pile powders	136/4. Turner's liver life
135/44. Dr. Milner pain killer	tablets
132/24. "Kiltol" soap	135/44. "Victoria Essence"
135/71. "Lykto!"	(T. Jones)

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.O. 4:

"Ablutonic" rubber sponges, 123/48	"Lactogen," 16/45
Boracic socks, 110/53	Lactomaltine, 105/60
Borothol, 122/64	McClinton's soap, 73/10
Calcined magnesias (French inquiry), 121/67 and 129/37 (Belgian inquiry)	"Mascot" inhaler, 90/28
"D.D.D." specialties, 119/1	Naldire's dog soap, 128/37
"Diadermene" cream, 113/23	Neurosine, 100/42
"Enterprise" tube - filling machine, 118/67	"Orlex" compound, 66/42 and 119/69
"Fervex" medicated wool, 111/44	Perfumed pottery, 121/11
Garfield tea, 125/48	Pessary moulds, 127/33
Gelle Frères' preparations (agent), 120/48	"Quit," 80/64 and 133/32
Henry's magnesias, 105/61	Rackham's dog balls, 119/69
Houbigant's perfumery, 106/49	Salicylic acid, 73/8
"Imperial" dental cream, 111/19	Saponine, 23/50
"Inecto," 92/52	Tablet-making machinery, 81/6, 91/36, 106/66, 111/22, and 133/36
"Jellax," 105/57	"Urometine," 110/14
Jicky's scent, 125/73	Valentine's meat juice, 119/69
"Kanok" safety-razor blades, 78/41	Valentine's walnut stain, 119/69
	Whittemore's "Quickwhite" polish, 111/37
	Young's hygienic bins, 117/23
	"Zap," 96/35

Observations and Reflections.

By Xrayser II.

The Method of Electing

The Council and the Local Associations Executive were the first and most important questions discussed on the first day of the Conference, and they were decided, as I anticipated, on the lines of the Organisation Committee's Report. The amendments added to the original resolutions give power to the Council to ask Parliament to sanction an alteration in the basis of representation to the Council and place councillors on the same footing as other pharmacists as candidates for the L.A.E. These improvements in the original schemes do not carry us very far, the schemes being otherwise unaltered, and, personally, I do not think it worth while to go to Parliament for such a very imperfect measure as is contemplated. Perhaps there is room for hope that before the time for legislation arrives more liberal ideas will prevail and a larger measure be obtainable. We, who want a really territorial representation, must be instant in season and out of season in pressing our case; twenty-one areas, each returning its own member to Council, and a yearly re-election of the whole body is the ideal for which we should contend.

Of the Other Resolutions

The most important, the one dealing with the Industrial Council, did but confirm the previous decision of the Council; and of those concerned with branches of the Society, sub-local secretaries, Federation and other details connected with organisation, some were withdrawn and some passed, after more or less opposition. I am a little puzzled by Mr. Rutherford Hill's attitude with respect to the relation of the North British Branch to the Conference and the Local Associations Executive. To be united and yet separate is not easy, and one cannot wonder that Mr. Hill was not prepared to say in detail how his wishes are to be realised. I confess that there seems to me an exaggeration in the emphasis that is laid upon the different pharmaceutical conditions obtaining in England and Scotland, and I more than suspect that something very much akin to the provincialism that Mr. Hill disclaims—shall we call it national sentiment?—has a good deal to do with the matter. It is convenient, no doubt, to have a centre of administration in Edinburgh, but if unity and solidarity are our aims it is undesirable to insist overmuch on differences that do not really affect principles.

Mr. Hines's Objection

To the secretary's intervention in the Conference debates was probably due to what happened at the last meeting of the Council. On that occasion the President asked Mr. Glyn-Jones for an explanation and got an argument, to which Mr. Hines quite properly objected. The case was a little different on Wednesday. In the first place, it is not very clear in what capacity Mr. Glyn-Jones was present, and in the second he was not asked for an explanation but invited to speak. If it was out of place for him to do so the President was to blame, not he, and it was in fact the President's action that Mr. Hines complained of. That he did so rather tactlessly and with unnecessary heat must be admitted, but, whatever Mr. Glyn-Jones may say to the contrary, there is sound reason for objecting to a paid official endeavouring, in his official capacity, to sway the decisions of a body whose servant he is. The position of Mr. Glyn-Jones in pharmacy is that of Secretary to the Society; it gives him ample opportunity for service without transcending a secretary's function, but it does not make him a member of the Council or a delegate to the Conference. To advise either body when asked by it to do so is very well, but he has no right to address either controversially, whatever his services may have been. If we had a stronger President the probability is that such incidents as this would not occur; there would be no need to call on the secretary for help in a difficulty.

The Drafting of a Resolution

demands some little literary skill, and I have more than once found or made occasion to criticise motions submitted to local associations and other bodies of a supposedly higher status on account of their failure to express the intention of their movers accurately and clearly. Not much fault is, I think, to be found with those submitted to the Conference, but one of the worst specimens of its kind that I have seen is that submitted to the special meeting of the Dental Society of Ireland, reported by you on April 19. It is unnecessarily wordy, hopelessly confused, and in parts barely intelligible. By reading *and* in two or three places instead of *or*, and by other mental emendations here and there, I believe I have got at its meaning throughout, but I am not sure. To criticise it in detail would take up too much space. Let me, however, recommend the task to all prospective framers of resolutions. If, as we were told at school, the correction of errors is a good lesson in composition, they should learn much from it.

The Folk-medicine

of the Highland district referred to in Mr. McCutcheon's paper does not seem to have differed much from that of districts further south. All the plants he named are included in our old herbals and dispensaries, and they are there credited with much the same properties. Buck-bean was used as tea for king's evil and other complaints, herb Robert for rashes caused by internal disorders, chickweed as a poultice for swellings, wormwood as a vermifuge, horehound for coughs, plantain as a vulnerary ("Your plantain," says Romeo, "is excellent for that") dock for local inflammations, and (as it still is by children) as an antidote for the stinging of nettles. Most of them, of course, had many other uses in addition—in fact, they were supposed to have so many that one's credulity is excited in many cases in which there may be no real ground for it. The most interesting feature of Mr. McCutcheon's paper is his descriptions of the way in which these remedies were prepared and used.

In Your Article

on the resources of the East you say that little has been done to develop those of Burma since it has been under British rule. I sometimes wonder whether the enforced cession by the East India Company of its powers to the Crown in 1858 has had as one of its results a slackening of our efforts in this direction. I am fairly familiar with the old voyages recorded in Hakluyt's, Purchas's, and Harris's compilations, and have often been struck by the zeal, energy, and thoroughness with which the captains and other emissaries of this and other trading corporations pursued their inquiries into the natural products and trading possibilities of the countries they visited. Such men as Lancaster, Middleton, Downton, Saris, Herbert, and others spared no effort in this service to their country, and their accounts of the riches of the lands they had explored were abundantly supplemented by our publishers by similar records from foreign sources. Have we lost this eager spirit of inquiry and enterprise, or has the blight of officialism fallen upon it? It is to "The Merchants of Old England, the Seigneurs of the Seas," says Lord Strangford, that our country chiefly owes its wealth and fame and grandeur; are we in danger of losing these under our new imperialism?

Five Sorts of Myrobalans

from various sources were recognised in our older dispensaries, of which the yellow variety (officially *Myrobalani citrini*) was most esteemed, but none of them seems to have been much used in this country. Brookes thus enumerates them: "The Indian or black, the Yellow or Citron, the Chebule, the Belle-ric, and the Emblick." They disappeared from our Pharmacopœia in 1788. Lemery says they are slightly purgative and astringent, like rhubarb, the yellow being most suitable as a purger of bilious humour, the black of melancholic humour, the others of phlegm.

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Editorial Articles.

Scientific and Applied Chemistry.

BEFORE the war scientific and industrial chemists had a tendency to work in separate compartments to the disadvantage of both branches. The needs of the war have, however, brought about an alteration in the relationship of academicians and practitioners, with the consequence, we hope, that the different branches have a better appreciation of each other. It will be remembered that the chemical laboratories of various English and Scottish Universities assisted in working out practical processes for the manufacture of eucaïne and novocain, and other problems in connection with the manufacture of synthetic drugs have been satisfactorily settled. Sir William Pope, at the annual meeting of the Chemical Society (*C. & D.*, April 5, p. 62), made a modest reference to the part taken by British chemists in organising the manufacture of poison gases. The Allies agreed to pool the results of their experience in this branch of chemistry, with the result that the Germans were outclassed in this branch of warfare. As is well known, "mustard gas" became one of the chief chemicals employed in gas warfare. Mustard gas, or dichlorethyl sulphide, is really a liquid which, when delivered in the form of shells, becomes converted into spray. It was a German chemist, Victor Meyer, who in 1886 recorded the toxic properties of mustard gas and devised the chlorhydrin process for its manufacture. This method was the one employed by the Germans in 1917, when they applied their chemical knowledge to the ignominious purposes of war. Victor Meyer's process only yields 60 per cent. of the theoretical amount, but when it became necessary for the Allies to retaliate on the Germans Sir William Pope worked out a new process which gave a superior yield. This method, which consists of the absorption of pure ethylene by sulphur monochloride, yields 98.99 per cent. of the theoretical amount. The manufacture of pure ethylene was also worked out in England, and a product obtained of 98 to 99 per cent. purity. It was this method which took a large amount of alcohol and accounted for some of the huge demand for spirit by the Government. The alcohol mixed with steam is dehydrated by being passed over a catalyst, and it was discovered that the best agent to employ was coke impregnated with phosphoric acid. A method was also worked out in this country by which the combination of ethylene and sulphur monochloride could be brought about at a lower temperature than had hitherto been employed. The product was further purified by distillation. It was necessary to devise the plant for each stage in the manufacture of mustard gas, and this was on a very large scale. At the time the Germans sued for an armistice the plant was making many tons daily. We give these details to point the lesson that if scientific chemists can so successfully work out the problems of war-time chemistry their services should now be utilised in assisting in the elucidation of some of the difficulties which confront the peace-time manufacture of fine chemicals.

Organising the Drug-trade.

As will be seen from the statement of Mr. Glyn-Jones at the Conference of Local Association Delegates (*C. & D.*, April 26, p. 71), the question as to whether the drug-trade should be represented by an Industrial Council or a Trades Board was not at that time definitely settled. The Committee set up at the Ministry of Labour Conference, which had upon it representatives of the distributing trades, including the drug-trade, has decided that a Trades Board for the whole of the distributive trades should be set up. The voting was 18 to 8, but Mr. Glyn-Jones pointed out that representatives of two organisations, the National Union of Shop Assistants and the Co-operative Union of Workers, were responsible for half the majority votes. Meanwhile the Drug-trade Conference (*C. & D.*, April 26, p. 75) is proceeding with the scheme for an Industrial Council for the drug-trade, and has arranged that representation shall be given to the component parts of the trade. At the Government Labour Conference, on April 24, at which the recommendation was to be made that a Trades Board be formed for the whole of the distributive trades, the information was to have been given by Mr. Glyn-Jones that the drug-trade would have nothing to do with a Trades Board of the character desired by the Government. When the meeting took place an entirely different aspect was given to the matter by the bringing forward by the Ministry of Labour of a definition of the distributive trades to which it is desired to apply the Trade Boards Acts. The definition is as follows:

The Wholesale and Retail Distributive Trade, that is to say, the wholesale and retail distribution of commodities wherever carried on, including manipulative and other operations incidental to or appertaining to distribution such as weighing, measuring, packing, parcelling, labelling, cleaning, and excluding—

(a) The transport of commodities by boat, by steam traction, by horse or motor vehicles (? or by aeroplane).

(b) Docks, railway, and postal services.

(c) The retailing, compounding, and dispensing of drugs and chemicals by chemists and druggists registered under the Pharmacy Act, 1868.

(d) The testing of sight by qualified opticians.

(e) Clerical work except when carried on in direct association with selling, receiving, or despatching of commodities.

(f) The selling of food and drink for consumption on the premises.

(g) The selling of beer, wine and spirits except a grocer's off-licence,

and excluding also all operations incidental to or appertaining to manufacture.

It was arranged that the various trades represented at the meeting should have three weeks in which to consider this definition and make suggestions to the Ministry of Labour, so that a definition can be framed in accordance with trade arrangements and practice. As the definition stands, it excludes individual chemists, but includes company chemists, drug stores, and herbalists, whilst the final sentence seems to exclude wholesale druggists, manufacturing chemists, and chemical manufacturers. We understand that it has not yet been decided whether there shall be a Trades Board for the whole of the distributive trades or sectional Trades Boards. At the meeting on April 24 the Chairman gave a definite answer in the affirmative to the question as to whether associations representing employed required to be organised as trade unions. The reason for this is that trade unions are required by law to embody certain provisions in their articles of association, which give them power to control and act on behalf of the members. Private associations are not subject to this control, and hence cannot acquire a status entitling them to represent assistants on an Industrial Council or Trades Board. This has always been our view, but Mr. Glyn-Jones held a different view, which he has now altered, if we read aright his speech at last week's Conference of Local Association Delegates. We think also that a letter which Sir Jesse Boot circulated to his managers has contributed to the misunderstanding. In this communication a quota-

tion was given from the Secretary of the Industrial Reconstruction Council as follows:

Any association of workers (it need not necessarily be a trade union) that is organised so as to voice the opinion of the workers is entitled to representation on such Council.

This is incorrect in so far as it states that the association need not be a trade union. At the same time, the formation of an association such as is contemplated at Manchester (see p. 70) may be useful in the preliminary work of organising assistants for a recognised trade union. The lines upon which assistants must organise are now becoming clear, but the problem in regard to employers in the retail drug-trade is still unsolved. The Pharmaceutical Society, as we have pointed out, is not a competent body, as both employers and employed are members, and therefore it cannot act on an Industrial Council or Trades Board on behalf of one class. It has been suggested that the Local Associations Executive might be made into a body which will fulfil the requirements. Panel chemists who pay the expenses of this committee are all employers, but these do not constitute all the chemist employers. The L.A.E., as our readers are aware, claims to be representative of the trade through its alliance with local associations the membership of which is general. To qualify as a component of an Industrial Council, the whole of the local associations will require to be reorganised unless pharmaceutical committees can be made the basis. In cases where pharmaceutical committees under the National Insurance Acts are the starting points it will be necessary for all chemist employers to join the panel and then to federate the committees in accordance with the scheme put forward some time ago by Mr. Hugo Wolff. In regard to the decision to form a Trades Board for the distributive trades in preference to an Industrial Council, the motive of the trade unions is stated to be that as some of these have as members assistants in all the distributing trades it is a convenience for the unions to have only one Trades Board. It is claimed also by the National Union of Shop Assistants that chemists are general traders. The official organ of the Union puts it this way:

Of course, to speak of an Industrial Council for the chemists' trade is to talk of an impossibility. If dispensing was done away from a general shop, then it would be comparatively easy to set up a separate Council for it, but chemists' shops are general shops. They sell sponges and tooth-paste and innumerable other articles, and branch off like Messrs. Boots into quite huge departments from books to restaurants, and like Timothy White's into ironmongery and oils and colours.

Incidentally, this attitude confirms the opinion we have expressed on several occasions that it is necessary to have drug-trade representatives who really know the trade, and that is why we recommend chemists' assistants to get in touch with the Amalgamated Society of Pharmacists, Drug and Chemical Workers (31-33 High Holborn, London, W.C. 1), which is directed by chemists, and whose members have interests closely allied. It will be remembered that at the April meeting of the Council of the Pharmaceutical Society "immediate steps" were to be taken "to encourage the formation of a National Association of Assistants, with district branches for the purpose of securing representation on the Industrial Council of those not at present covered by the unions"; and to that end a series of meetings of assistants was to be arranged at a number of centres in the country. We gather from the remarks of Mr. Glyn-Jones at the Conference of Local Association Delegates that the idea of forming another association for assistants has been abandoned. To quote Mr. Glyn-Jones, "The Council felt and have given a pledge that they ought not to take any part in advising assistants as to what organisation they should join." Meanwhile, one of the trade unions dealing with general workers is holding local meetings with the intention of bringing about the formation of "pharmacists' sections" of the Union. The success of this movement has not been very pronounced. Leeds decided to form a "pharmacist section," and Manchester rejected the proposal. Leeds may have been influenced in its decision by the attitude taken up by Mr. Pilkington Sargeant against the formation of an Industrial Council.

The Budget.

THE main changes in the Budget which was introduced into the House of Commons on Wednesday night are in regard to the introduction of preference on existing duties on Empire-produced goods, an increase in the spirit and beer duties, a reduction of the excess profits duty from 80 per cent. to 40 per cent., and an increase in death duties on estates exceeding 15,000*l.* The announcement that the luxury tax has been abandoned will be received with satisfaction because it has been shown that the yield would be comparatively small, and that the irritation caused to customers would be very great. In regard to the initiation of preference on existing duties on Empire goods, the suggestion is to reduce by one-sixth the duties on tea, coffee, cocoa, sugar, dried fruits, tobacco, and motor-spirit which come from any part of the British Empire. This means a considerable reduction on tea, the amount of preference being 2*d.*, and as 90 per cent. of the tea used in this country is Empire-grown a sum of 2,300,000*l.* will represent the reduction in the duty. On cocoa it is estimated that the preference (7*s.* per cwt.) will amount to 200,000*l.*, on coffee 20,000*l.*, sugar 500,000*l.*, but the estimated amount of preference on tobacco is small, as only 2 per cent. of the imports are Empire-grown. The motor-spirit licence duty is to be abandoned, and it was definitely announced that benzol would not be taxed. There has been an enormous quantity of benzol produced in this country during the war, and it is probable that the intention is to encourage the manufacture of this product as an alternative to petrol, an imported article. Reductions are to be made in the case of wines and spirits, but special rates have been fixed to meet the difficulties of the case. No preference is to be given on mineral waters. The tea-duty preference, is to come into force on June 7, but the other alterations will not become operative until September 10. As was generally anticipated, the Chancellor in his hour of need has once more turned for assistance to the duty on spirits. Incidentally he is also using the opportunity offered by the adjustment of the rates of duty to carry out part of his scheme of colonial preference. Under our pre-budget rates there were four classes of spirits liable to Customs duty, namely, brandy, rum, geneva, and unenumerated spirits, including liqueurs, cordials, and other spirit mixtures. The Chancellor proposes to give a preference on the colonial spirits in this group, not by reducing the duty on the colonial spirits, but by an increase of 2*s.* 6*d.* per proof gallon on the foreign spirits over that to be levied on the colonial spirits. This we take to mean that an addition of 20*s.* a gallon will be imposed on brandy, geneva, and unenumerated spirits, and probably imitation rum, while rum, being chiefly a colonial product, will, in future, be admitted at the rate of 2*l.* 7*s.* 10*d.* plus any addition chargeable under the Immature Spirits Act. At the same time the excise duty on home-made spirits, including whisky, will be brought into line. This it is proposed to increase from 30*s.* to 50*s.* per proof gallon, the additional levy on immature spirits being, of course, at the same time retained. The Chancellor expresses the hope that by this readjustment of duties he will be able to secure for the public treasury some share of the increased profits which the spirit industry has admittedly enjoyed in the past two or three years. We share the Chancellor's desire in this matter, but are by no means sanguine that his hope will be gratified while restrictions on the manufacture and distribution of spirits continue as at present. But our more immediate concern is just now to see that the proposed increases in the duties shall not operate to the detriment of the drug-trade. We hope that the provisions of the exempting sections of the Immature Spirits Act, 1915, and the Finance Act, 1918, will be extended to the new increases, so that they will not be levied on spirits shown to the satisfaction of the Commissioners of Excise to have been used solely in the manufacture of medicinal preparations. The policy of colonial preference is being applied to the wine duties by reducing the present rates by 6*d.* and 9*d.*, according to rate for colonial wines, while leaving them as at present for the wines coming from other countries. The duty on beer the Chan-

cellor proposes to increase from 50*s.* to 70*s.* the standard barrel of 36 gallons. At the same time some attempt is made to shake the brewing industry free of the restrictions necessitated by the activities of the Food Controller and a move made towards the pre-war standards of quantity and quality. It had been anticipated that some changes would have been made in the incidence of the income tax, but probably because a Commission is at present considering the whole matter no change is to be made in the income tax. The announcement was made that the tentative concession of not taxing wound pensions and demobilisation gratuities is to be legalised. Great interest has been taken in the question of the excess profits duty which was definitely stated when introduced to be a war tax. The tax is a very complicated one, but the repayments that are being made in some industries on account of less prosperous times have not always been considered by the public. The point of view which we have had most in mind has been the check which the tax has been upon the foundation of new chemical industries. The Chancellor of the Exchequer, taking all circumstances into account, has decided to reduce the duty from 80 to 40 per cent., upon which basis a yield is anticipated of 50,000,000*l.* The income tax is expected to yield 354,000,000*l.*, an increase of 63,000,000*l.* on the amount for the previous year. The final balance sheet for 1919-20 will thus be:

Expenditure	£1,434,910,000
Revenue	1,201,100,000
Deficit to be borrowed	233,810,000

On this basis the gross debt on March 31, 1920, will be increased from 7,435,000,000*l.* to 7,669,000,000*l.*, or, if we take the round figure of 250,000,000*l.* as the new borrowing, to allow for a margin of error, 7,680,000,000*l.*—still substantially less than the figure of 7,985,000,000*l.*, which was thought last year might be the total on March 31 now passed. Against this are to be set loans to Allies, to the Dominions, and the amount of indemnities which Germany will have to pay this country.

A New Pharmacy Knight.

THE most interesting of the belated New Year's honours is the knighthood conferred on Mr. W. S. Glyn-Jones for "Parliamentary and public services." This, we take it, is a partial recognition of the work which Mr. Glyn-Jones has done for pharmacy, although that may not count for much with the Prime Minister, who can recall one or two sharp tussles with the member for Stepney over matters affecting pharmacy which were before the House, and when Mr. Glyn-Jones would not allow chemists to be treated as political nonentities. For nearly twenty-five years the new knight has been engaged in schemes for improving the position of chemists, as even before he founded the Proprietary Articles Trade Association in 1896 he had a plan for supplying aerated-waters to chemists at a cheap rate. The P.A.T.A. has become one of the institutions of pharmacy which it would seem impossible to be without unless Mr. Glyn-Jones's latest conception, the Industrial Council for the drug-trade, takes up the regulation of prices as well as of wages. The reasons why, afterwards, the Chemists' Defence Association and the Drug-trade Appeal Fund were founded have often been given in *THE CHEMIST AND DRUGGIST*, and we have often referred to the early days when every spare minute was devoted to the study of the law, eventually to be specialised in those special branches affecting chemists. The strain of his professional duties, and his work as member for Stepney, eventually proved too much for Mr. Glyn-Jones's health, and he was obliged to forgo the representation of the people in Parliament. Then, by a fortuitous circumstance, the offices of Secretary and Registrar of the Pharmaceutical Society became vacant, and the subject of this article was selected as the only man qualified for these positions. This was a year ago, and it may safely be said that no previous year in the history of the Pharmaceutical Society has been so full of developments in pharmacy. The tide is still in flood, and there is much to do before smooth water is reached. We do not wish it to be thought that Mr. Glyn-Jones

has never made mistakes in the course of his career, but our experience has been—we have severely criticised him at times—that he bears no malice against his critics, and is not too hide-bound to profit by suggestions he receives. In addition to running the Pharmaceutical Society he is the ruling spirit of many other associations, and it is to be hoped that he will not disregard the warnings he has had of the consequences of overwork. Pharmacy has still need of his services. Our Parliamentary correspondent, who can be expected to deal impartially with the subject, writes:

Few among the strictly Parliamentary honours have given more genuine satisfaction than the knighthood conferred upon Mr. W. S. Glyn-Jones, until recently M.P. for Stepney. Equally it may be added that few have been better deserved for actual services rendered. No one better than the Prime Minister himself and Dr. Addison know the value of those services, whether at the National Health Insurance Commission or at the Ministry of Reconstruction. Mr. Glyn-Jones has been a most indefatigable member of Parliament—an example to many—and he has never spared himself when the interests of the Department for which he acted were involved. Mr. Glyn-Jones came into Parliament a comparatively unknown man at Westminster, but his speeches upon all matters affecting the pharmaceutical profession, which were made with a profound knowledge of the points at issue, were always listened to with attention and respect, and did much to smooth the passage of such legislation through the House.

A few years ago pharmacy had no representatives in the Knighthood, but now the number is growing at a rapid rate. No one will object to this when, as in the present case, the honour is won by hard work and not by hard cash.

Pharmacopœial Nomenclature.

PRIOR to the outbreak of the war the necessity of establishing international standards for potent drugs was realised, and in the course of time recognised by all pharmacopœias. But while provisions were made for standardising the strength of certain preparations, nothing was done towards establishing uniformity in nomenclature, either in the Latin titles adopted by different pharmacopœias, or indeed in the names of similar preparations. Thus, at present we have the following official varieties in Latin nomenclature for the same substance: Hydrargyri subchloridum, hydrargyri chloridum mite, hydrargyrum monochloratum, chloretum hydrargyrosus, hydrargyrum chloratum. This lack of uniformity in nomenclature almost led to a Belgian pharmacist being shot, under the following circumstances. A German doctor doing duty at Fort Malonne sent down to the military hospital in Namur a collective prescription for medicines urgently required. In those days the Belgian pharmacists attended to this work, and they found that in addition to carbolic acid, iodoform, formaldehyde, gauze and cotton wool, the following requirement figured on the prescription: "Hydrargyrum chloratum 50 Ag, 10 Stück." The pharmacist who made up the prescription took this to indicate corrosive sublimate, in the first place, as all the articles enumerated were for the treatment of wounds, and, secondly, because calomel, in Belgium, is not prescribed in tablet form. To make quite sure, he consulted some colleagues, and then put up the corrosive sublimate tablets in an octagonal brown bottle, with the words: "Usage Externe," "Uitwendig Gebruik," printed in the glass, and on the label he wrote: "Hydrargyrum chloratum—sublimé corrosif," adding a label with a skull and cross-bones, and another with the words: "Poison, Vergift." In spite of all these precautions the hospital attendant, seeing the name "Hydrargyrum chloratum," which to him meant calomel, administered a tablet to a patient, with the result that he was poisoned. M. V. Dulière, the chief inspector of Belgian pharmacies, who relates this incident in the "Journal de Pharmacie de Belgique" (No. 13, 1919), says that the pharmacist had to appear before a court-martial on the charge of attempting to cause the death of German citizens. The German authorities, happily, consulted M. Dulière, whose explanations regarding the differences in nomenclature, the special circumstances of the case, and

also the precautions taken by the pharmacist in putting up the dangerous drug, convinced the examining officer, and the accusation against the Belgian pharmacist was dropped. M. Dulière mentions this incident to draw attention to the dangers arising from the present variations in nomenclature.

Photographic Matters.

THE British Photographic Research Association, which was formed last year, has issued the following list of pure researches which are contemplated:

Investigations into the fundamental properties of silver halides, and the effects of various substances on these properties.

Investigations into the physical and chemical properties of gelatin and other similar colloids.

Investigations of a wide range of photo-chemical reactions.

Investigations into colloidal-chemistry.

Investigations into the theory of processes of colour photography.

Applied research will be undertaken to improve products now being manufactured, to improve methods of manufacture, and to introduce new photographic processes. These researches may be undertaken with a view to improving some process which is well known to require improvement or to overcome some difficulty which has arisen in manufacture, or they may be undertaken when some advance in pure science has been made which it seems possible to apply to photography.

Among the subjects of applied research will be the following:

Investigation of desensitising and reducing agents on sensitive materials, with particular reference to insensitive spots in plates and papers, and impurities in the raw materials used.

Studies of the properties of various samples of gelatin with a view to arriving at the causes of the effects they produce and ultimately to obtain a standardisation and improvement of the product.

Investigation of various subjects relating to the construction of photographic apparatus, such as matt and semi-matt enamels, methods of treating wood, canvas, and leather, and the production of special alloys.

Investigation of paper and cardboard.

Colour photography.

Improvements in apparatus and material for commercial and national purposes.

Researches will be carried out in the laboratory of the Association by the Director of Research and his staff, or in other places by his general direction. We learn from the "British Journal of Photography" that the British Photographic Manufacturers' Association is moving in the direction of standardising small plate cameras. The following standard sizes have been decided upon:

New Size.	In place of
4½ x 6 c.m. ...	Multitude of small sizes.
6½ x 9 c.m. ...	3½ x 2½ in. and 6 x 9 c.m.
8 x 12 c.m. ...	½ plate and 9 x 12 c.m.
10 x 15 c.m. ...	5½ x 3½ in., 5½ x 3½ in., and 9 x 14 c.m.

All camera makers are asked to make all their new models in these sizes in preference to the current sizes. In order to obviate the difficulty of describing sizes by dimensions, the following numbers to designate each size of plate have also been adopted:

4½ x 6 c.m. ...	No. 0
6½ x 9 c.m. ...	No. 1
3½ x 2½ in. ...	No. 2
4½ x 3½ in. ...	No. 3
8 x 12 c.m. ...	No. 4
9 x 12 c.m. ...	No. 5
5 x 4 in. ...	No. 6
5½ x 3½ in. ...	No. 7
10 x 15 c.m. ...	No. 8
6½ x 4½ in. ...	No. 9

No manufacturer is asked to discontinue making any of the existing sizes, it being considered that the adoption of the standard sizes for all new models will, in time, render the older sizes obsolete. It looks as though the immediate effect will be to increase the number of sizes of plates and papers which the photographic chemist will require to keep in stock.

Associations' Winter Session.

Aberdeen.—A meeting of the Aberdeen Pharmaceutical Association was held in Robert Gordon's College on April 22. The students of the evening classes of the School of Pharmacy were present. Mr. W. F. Hay, who presided, addressed the students on *Matters Educational*, foreshadowing imminent changes and emphasising the need for a more thorough system of training. He spoke also of the likelihood of a demand for those who had acquired a high standard of training in scientific work. Association prizes were then awarded as follows:

Practical Chemistry.—Mr. S. G. D. Watson and Miss Mackenzie.

Theoretical Chemistry.—*First year:* Miss J. Booth and Mr. R. S. Duncan. *Second year:* Miss J. Dalgarno and Mr. Philip Brebner.

Botany.—*First year:* Mr. Philip Brebner and Miss Mackenzie. *Second year:* Miss Jean Booth and Miss E. J. Duncan.

Efficiency (special prizes).—Mr. W. A. Park and Miss A. V. Blake.

Dr. J. F. Tocher, who had conducted the examination, then addressed the students.—The following office-bearers for the ensuing session were elected: *President*, Mr. W. F. Hay; *Vice-President*, Mr. M. K. Watt; *Secretary*, Mr. H. M. Dugan; *Treasurer*, Mr. D. Anderson; *Auditor*, Mr. A. E. Dugan; *Members of Executive Committee*, Messrs. A. Craig and W. Giles. It was reported that the Insurance Drug Fund provisional credit was exhausted by the November payments, and that no payment could be made for December 1918 until the revised credits were received. The President, Dr. Tocher, Mr. W. Giles, and Mr. E. G. Bryant were appointed representatives to the British Pharmaceutical Conference.

Drug Union.—A meeting of the Pharmacists' and Assistants' Branches of the Amalgamated Society of Pharmacists, Drug and Chemical Workers, was held on April 27 at the Progressive Pharmacy Club. Mr. J. Todd (Chairman of the Pharmacists' Branch) was in the chair. The Secretary (Mr. E. N. Lloyd) reported a great acquisition of members during the past month. Mr. F. Hawkins reported on the Conference, called by the Ministry of Labour, to consider the application of the Trades Boards Act to the drug-trade. He showed that the Ministry propose to apply the Act to the trade, and that only immediate organisation of assistants can secure the establishment of an Industrial Council in its stead.—Three meetings, convened by the Propaganda Committee of the Retail Branch, were held as follows: On April 22, at Highbury, London (Mr. B. Webster, Chairman); on April 23, at Forest Gate, London (Mr. E. N. Lloyd, Chairman); on April 24, at Clapham Junction, London (Mr. W. Richardson, Chairman). The following were the speakers: Messrs. W. Greenfield, E. R. Jones, E. N. Lloyd, E. Martin, H. Skinner, J. Todd, and H. J. Whitehead. The importance of joining the only trade union that catered solely for the drug-trade was urged. Great interest was taken in the proposed Industrial Council, and at each meeting all who were not already members of the Society signed on. At the Clapham meeting a Sectional Committee was formed to find the best means of canvassing every manager and assistant in the district.

Leeds.—A special meeting of the Leeds Chemists' Association, open to all retail chemists, was held on April 29, under the chairmanship of Mr. N. N. Armitage. Mr. P. F. Rowsell (Vice-President of the Proprietary Articles Trade Association and member of the Pharmaceutical Council) gave an address on *Anti-Cutting and Face Values*. Prior to the main business of the evening the Association passed a vote of congratulation, to be sent to Sir Wm. S. Glyn-Jones, on the honour of knighthood conferred upon him. Mr. Rowsell said it was due entirely to Sir Wm. Glyn-Jones that the P.A.T.A. had come into existence. He then dealt with the effectiveness of the P.A.T.A. in price protection, and the difficulties in the way of having some of the older-established preparations placed on the list, urging chemists to be wary about taking up new unprotected lines. The causes of the amalgamation of the former Face Values Committee with the P.A.T.A. Propaganda Committee and the advantage of adequate profit over face value were pointed out. In view of modern developments and higher wages coming, chemists will have to change their opinions as to what is an adequate profit. Mr. Rowsell detailed the proposed amendment of stamp duty, and asked for the Leeds Association's support. He strongly urged that any chemists who are not already members should join both the P.A.T.A. and the Chemists' Defence Association. The President, in opening the lengthy discussion that followed, said Mr. Rowsell was very largely

speaking to the converted when he came to Leeds, and, interesting as his address had been, he had not told them very much with which they are not already acquainted. He had a fancy that some of the new manufacturers take rather an advantage of the P.A.T.A. qualification by using it as a lever on the chemists, on the assumption that the chemist is expected to take up the article automatically because it is on the P.A.T.A. Leeds entirely supports the proposed graduated stamp duty. Mr. H. Gilleghan said that it was due to Leeds that the weekly price lists in the trade journals have been brought to their present up-to-date condition. He considered it unlikely that all sections of the drug-trade would unite in a boycott. In regard to the amalgamation of the old Face Values Committee with the P.A.T.A., he must say that during the life of that Committee he had noticed more patent proprietors induced to place their prices at face value than since the amalgamation. Messrs. J. H. Beacock, Pollitt, W. Johnston, and Bentley continued the discussion. Mr. E. E. Haslegrave (Hon. Secretary of the Association) said the boycott system is certainly unpleasant, but he feared it is the only effective method. Mr. M. E. Murray suggested, in place of boycott, acceptance of the dictum of the new organising campaign of the National Union of Warehousemen, Clerks, etc., who say that master pharmacists can join the union also. Why not consider themselves as employes of the firms, to such extent as they handle the firms' goods, and go on strike against the wages. (Laughter.) If they had a strike instead of a boycott, they would have the public behind them. Mr. Rowsell, in reply, said he would take back the message of Leeds in favour of a strike. He was unable to say whether the Council of the P.A.T.A. can go in for an organised movement of this kind, because there are certain legal obstacles to be encountered. Mr. Rowsell was heartily thanked for his address.—At the conclusion of the meeting the following resolution was passed:

That, in the opinion of the Leeds Chemists' Association, the P.A.T.A. scheme in relation to unprofitable proprietary articles is not adequate, and the Association suggests a universal "strike" on such goods, the same to be initiated by the P.A.T.A.

Newport (Mon.).—A meeting of the Newport (Mon.) Chemists' Association was held recently under the presidency of Mr. T. G. Badgett. A discussion took place on the prospect of the conversion of the local Association into a branch of the Pharmaceutical Society; a majority was opposed to the suggestion. In the past the local Association has served as a valuable recruiting ground for the Society, and any attempt at compulsion would be of disservice so far as local interests are concerned. The Clerk to the Insurance Committee has consented to postpone, for another month, the re-introduction of the British Pharmacopoeial preparations, temporarily omitted from Insurance dispensing, as several chemists still have considerable stocks of War Emergency Formulary preparations. "Square Topics" was discussed, and appreciation expressed of Mr. Wolff's efforts to have full reports given in the trade journals of the Council's activities. His initiative in the face values' movement was also the subject of grateful comment.

Business Changes.

MR. MAURICE H. ROOTS, chemist and druggist, has taken over the business carried on for the past nine years by Mr. C. H. Dixon, Westgate-on-Sea.

MR. F. D. FINN, 193 Battersea Park Road, London, S.W. 11, has taken over the business of the late Mr. A. C. Portway, 189 Wandsworth Road, S.W. 8.

MR. SELERIO MANACAS SILVA, formerly of the firm of Fonseca & Silva, who have dissolved partnership, informs us that he has commenced business on his own account at Rua do Arsenal 160, 3º, Lisbon.

IN REFERENCE to the note in the *C. & D.*, April 26, p. 63, Mr. T. H. Ford and Mr. H. J. Cook have now started business as Ford, Cook & Co., manufacturers and dealers in surgical dressings, etc., 151 Wool Exchange, London, E.C. 2.

THE BUSINESS of F. Hoffmann-La Roche & Co., Basle, Switzerland, has been converted into a joint stock company. The board of directors consists of Mr. Rodolphe Albert Koechlin-Hoffmann (President), Mr. F. Hoffmann-La Roche (Vice-President and Delegate), and Dr. A. Wieland (Notary).

THE FABRA CO., LTD., of Bradford, London, and Manchester, have disposed of their business to their chairman, Mr. Fred A. Brassard, who will continue the same under the style of F. A. Brassard, Chemical Department. Mr. Herbert A. Brassard and Mr. Wilfred Goldsbrough will sign per procuration.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Coventry.—At a meeting of the Insurance Committee, held on April 28, the closing hours of chemists (except for urgent prescriptions) were agreed to, as follows: Monday, Friday, and Saturday, 8 P.M.; other evenings, 7.30 P.M.

Devon.—A meeting of the Pharmaceutical Committee was held on April 16, at which Mr. March (Torquay) presided. The report of the Central Checking Bureau and the financial report of the Local Associations Executive Committee were approved, but it was suggested that, in the latter report, more detail might be supplied as to the allocation of salaries.

Essex.—At the quarterly meeting of the Insurance Committee, held on April 29, Mr. J. H. Burrows (Chairman) presiding, the Finance Sub-Committee reported that the expenditure for the medical year 1918 amounted to 800*l.* 10*s.* 9*d.*; the number of prescriptions priced was 673,453; and their estimated expenditure for 1919 was 1,100*l.* They (the Sub-Committee) had directed the Clerk to communicate with the Insurance Commissioners requesting that the existing grant (of 465*l.*) towards the Committee's expenditure be increased for the year 1918 by such a sum as would fairly represent the additional cost imposed by the new system of chocking. Mr. S. H. Payne said that the cost of pricing prescriptions was rising rapidly. It was due to the establishment of a Pricing Office—covering about sixteen Insurance areas—and also to the increase of salaries and to war bonuses to the staff. The increased estimated expenditure for 1919 was entirely due to these war bonuses. When the new system of pricing prescriptions was introduced the Insurance Commissioners had promised that the Committee would not be put to any increased expense. Mr. H. H. Elvin asked if the introduction of a new system of pricing mentioned by the Chairman was the real cause of the additional charge. The Chairman pointed out that the Committee for the pricing of prescriptions is an independent authority. Mr. Elvin pressed for a real explanation of the cause of the increases. Mr. Payne believed he was right in saying that the new system of pricing had been in force since 1916, and the extra 267*l.* asked for was entirely due to the increase in salaries and to war bonuses. Mr. E. C. Baldock concurred. The report of the Committee was thereupon adopted. The Medical Benefit Sub-Committee had forwarded to the Pharmaceutical Committee an expression of their condolence in the loss they had sustained by the death of their former Chairman, Mr. J. H. Matthews (C. & D., March 22, p. 97). Mr. C. Goode replied. The Sub-Committee reported that the number of prescriptions dispensed for the nine months ended September 30, 1918, was 499,211, as compared with 476,555 for the corresponding period of 1917, and the cost was 15,252*l.* 3*s.* against 12,602*l.* 12*s.* 9*d.* The average total cost per prescription had risen from 6.39*d.* to 7.45*d.* Three names have been added to the list of persons supplying drugs and appliances and one withdrawn.

Surrey.—A meeting of the Insurance Committee was held on April 30. The Medical Benefit Sub-Committee recommended that, without acceptance of the case as a precedent, two chemists' accounts, received without corresponding accounts for treatment, be passed for payment. With regard to pharmaceutical service, after ordinary hours, at Malden, the Sub-Committee considers the new arrangement (6.30—8 P.M. Wednesdays and 7—8 P.M. Sundays) will be satisfactory. Two names have been withdrawn from, and three added to, the list of persons supplying drugs and appliances. An advance payment of 4*d.* per person (calculated from lists of April 1) for whom the doctors dispense was recommended to be made to such practitioners for the quarter ending June 30. The Clerk was instructed to announce to all doctors and chemists on the panel the withdrawal of War Emergency Formulary preparations. The accounts for drugs and appliances to temporary residents during 1918 amounted to 40*l.* 17*s.* 7*d.* The Finance and General Purposes Sub-Committee reported that additional payment to rural practitioners, if approved by the Insurance Commissioners, will be distributed amongst (a) practitioners who dispense for all, or any, of the persons upon their lists, and (b) practitioners residing or practising in rural areas. The amount available shall be divided by the total number of persons for whom the doctors dispensed (1917 lists) plus 50 per cent. of the total lists (1917) of practitioners under (b), and each practitioner will be paid

the sum so determined. The Joint Committee for Pricing Prescriptions announced that 900 out of 1,300 chemists forward the scripts within the time fixed by the Commissioners. Some chemists are systematically late. Representations had been made to the Kent Pharmaceutical Committee and to the Surrey Insurance Committee by chemists for some relaxation of the rule. The Joint Committee concluded that there was no substantial hardship, and consequently are unable to recommend any alteration beyond asking the Sub-Committee of the Joint Committee to consider whether scripts received by midday on the fifth day of the month when the fourth is a Sunday could be taken into account. In the opinion of the Committee, where a chemist can show he has posted his scripts not later than the third day of the month, he should not be penalised for postal delay. The total value of accounts were given:

	Number of Scripts	Number of Prescriptions	Total Value £ s. d.
November, 1918 ...	37,500	43,431	1,302 10 3
December, 1918 ...	33,271	41,109	1,283 11 3
January, 1919 ...	19,552	22,463	754 17 8½

In the statement of accounts up to March 19 advances and balances to chemists amounted to 992*l.* 4*s.* 10*d.*; deductions from chemists' accounts (Pharmaceutical Committee) amounted to 18*l.* 8*s.* 9*d.* A chemist who forwarded some of the accounts for 1917 in August 1918 agreed to accept the flat rate per prescription in respect of these accounts.

April Drug Tariff.

The following are the alterations for April in the Drug Tariff issued by the National Health Insurance Commissioners for England and Wales:

Lower: Acetum ipecac., 2*s.* 6*d.* lb.; acid. acetic., 1*s.* 2*d.* lb.; acid. acetylsal., 11*d.* oz.; acid. boric. (crystals), 1*s.* 2½*d.* lb.; acid. boric. (pulv.), 1*s.* 3½*d.* lb.; acid. carbolic. (detached crystals), 1*s.* 11*d.* lb.; acid. carbolic. liq., 1*s.* 8*d.* lb.; acid. salicylic., 3*s.* 6*d.* lb.; acid. tartaric., 4*s.* 2*d.* lb.; adeps benz., 2*s.* 10*d.* lb.; adeps prep., 2*s.* 8*d.* lb.; ammon. benz. (artificial), 1*s.* 6*d.* oz.; ammon. brom., 4*s.* 3*d.* lb.; amyllum (maize), 9*d.* lb.; anthem. flor. exot., 3*s.* 10*d.* lb.; barbitonum, 7*s.* 8*d.* oz.; caffeine, 4*s.* 3*d.* oz.; caffein. cit., 2*s.* 10*d.* oz.; capsulae ol. santal., m. 10, 16.20*d.* per doz.; chloral hydras., 1*s.* 1*d.* oz.; cocain. hydrochlor., 9*s.* 6*d.* dr.; guaiacol carbonas., 5*s.* 3*d.* oz.; lin. calcis, 2*s.* lb.; lin. methyl. sal. co., B.P.C., 12*s.* 4*d.* lb.; lin. tereb. acet., 4*s.* lb.; liq. ammon. acet., 8*d.* lb.; liq. ammon. acet. conc., 2*s.* 10*d.* lb.; liq. formaldehyd., 1*s.* 11*d.* lb.; liq. hamamelidis, 3*s.* 6*d.* lb.; lithii carb., 1*s.* 3*d.* oz.; magnesias levis, 3*s.* 6*d.* lb.; magnesias pond., 5*s.* lb.; mag. carb. lev., 1*s.* 4*d.* lb.; mag. carb. pond., 1*s.* 11*d.* lb.; methyl salicylas, 6*d.* oz.; ol. cajuput, 1*s.* 2*d.* oz.; ol. caryoph., 15*s.* 3*d.* lb.; ol. eucalypt., 5*s.* 3*d.* lb.; ol. lini, 7*s.* 8*d.* gal.; ol. olivæ (sublime), 28*s.* gal.; ol. ricini, 1*s.* 5*d.* lb.; oxymel scillæ, 1*s.* 9*d.* lb.; paraff. dur., 1*s.* 3*d.* lb.; paraff. liq., 2*s.* 4*d.* lb.; paraldehyd., 9*d.* oz.; phenacetin, 1*s.* 5*d.* oz.; phenolphthalein, 3*s.* 4*d.* oz.; physostig. sulph., 1*l.* 1*d.* gr.; pil. colocyn. et hyoscy., gr. iv., 1.75*d.* per doz.; pil. ferri, gr. v., 54*d.* per doz.; pot. brom., 4*s.* 6*d.* lb.; pot. chloras., 2*s.* 6*d.* lb.; sacc. lact., 2*s.* 10*d.* lb.; salol, 9½*d.* oz.; sapo mollis, 3*s.* 6*d.* lb.; sodii benz., 1*s.* 6*d.* oz.; sodii brom., 3*s.* 10*d.* lb.; sodii et pot. tart., 2*s.* 4*d.* lb.; sodii phosph., 1*s.* 4*d.* lb.; sodii phosph. acid., 3*s.* 4*d.* lb.; sodii salicylas (cryst.), 5*s.* 9*d.* lb.; sodii sulphocarb., 4*s.* 9*d.* lb.; sulphonal, 11*s.* oz.; tab. acetanilid., gr. iii., 1.11*d.* per doz.; tab. acetan. co., B.P.C., 1.80*d.* per doz.; tab. acid. acetylsal., gr. v., 1.66*d.* per doz.; tab. acid. diethylbarb., gr. v., 13.08*d.* per doz.; tab. calomel. (tab. hydr. subchlor., B.P.C.), gr. ½, 40*d.*; ditto, gr. i., 50*d.*; ditto, gr. ii., 1.14*d.*; ditto, gr. iii., 1.38*d.*; ditto, gr. v., 1.74*d.* per doz.; tab. formaldehydi, B.P.C., 1.15*d.* per doz.; tab. guaiacol. carb., gr. v., 10.08*d.* per doz.; tab. naso-pharyngeal co., 4.68*d.* per doz.; tab. phenolphthalein, gr. i., 1.92*d.*, ditto, gr. ii., 2.88*d.* per doz.; tab. pot. chlor., B.P.C., gr. v., 47*d.* per doz.; tab. salol, gr. v., 1.95*d.* per doz.; tab. santonin., gr. i., 6.48*d.* per doz.; tab. santonin. co., B.P.C., 6.69*d.* per doz.; tab. thyroid gland, gr. v., 3.00*d.* per doz.; thymol, 3*s.* 10*d.* oz.; tr. quin. ammon., 5*s.* 3*d.* lb.; ung. acid. boric., B.P., 2*s.* lb.; ung. ac. boric. flav., 1*s.* 8*d.* lb.; ung. ac. carbol., 2*s.* 4*d.* lb.; ung. hyd. nit., 4*s.* 9*d.* lb.; ung. hyd. nit. dil., 2*s.* 10*d.* lb.; ung. iodoformi, 6*s.* 8*d.* lb.; ung. resinae, 3*s.* 4*d.* lb.; ung. sulphuris, 3*s.* 4*d.* lb.; ung. zinci, 2*s.* 10*d.* lb.; zinc. sulphocarb., 4*s.* 9*d.* lb. Gauzes: unmedicated, 15.75*d.*; boric, 18.75*d.*; carbolic, 18.75*d.*; cyanide, 18.75*d.*; sal-alambroth: 18.75*d.*; sublimate, 18.75*d.*; iodoform, 33.50*d.* each. Lints: unmedicated, 1 oz., 4.00*d.*; 2 oz., 7.50*d.*; 4 oz., 14.50*d.*; 8 oz., 27.00*d.*; 1 lb., 45.00*d.*; boric: 1 oz., 2.83*d.*; 2 oz., 5.25*d.*; 4 oz., 9.75*d.*; 8 oz., 19.00*d.*; 1 lb., 30.00*d.* Woods: cotton, 1 oz., 2.50*d.*; 2 oz., 4.50*d.*; 4 oz., 8.50*d.*; 8 oz., 13.50*d.*; 1 lb., 24.00*d.*; boric, 42.00*d.* per lb.; sal-alambroth, 42.00*d.* per lb.

Higher: Acid. tannic., 16*s.* 3*d.* lb.; aq. cinnam., 9*d.* lb.; camphora (flowers), 11*s.* lb.; capsulae copaibæ, m. 10, 4.32*d.* per doz.; capsulae pil. ferri (Blaud), 1-pill strength, 2.16*d.*; ditto, 2-pill strength, 2.52*d.*; ditto, 3-pill strength, 2.88*d.* per doz.; capsulae pil. ferri, gr. 5 et arsen. gr. 1½, 2.52*d.* per doz.; capsulae pil. ferri gr. v. et arsen. gr. 1½ et strych. gr. 1½, 2.52*d.*

per doz.; inf. krameria (ex conc.), 3s. 6d. lb.; lin. belladon. meth., 12s. 6d. lb.; lin. sup. meth., 2s. 6d. lb.; liq. pepsicus, B.P.C., 3s. 10d. lb.; liq. trinitrini, 1s. oz.; menthol, 2s. 2d. oz.; mucilag. acacia, 1s. 6d. lb.; ol. abietis, 1s. 9d. oz.; ol. menth. pip. (redistilled), 56s. lb.; papav. capsulae Ang., 8s. per 100; pil. aloes, gr. iv., 79d. per doz.; pil. aloes et asafet., gr. iv., 83d. per doz.; pil. aloes ferri, gr. iv., 71d. per doz.; pil. aloes myrrh, gr. iv., 71d. per doz.; pil. colocyne, gr. iv., 133d. per doz.; pil. hydrarg., gr. iv., 92d. per doz.; pil. ipecac. c. scill., gr. iv., 171d. per doz.; pil. quin. sulph., gr. i., 229d. per doz.; ditto, gr. ii., 554d. per doz.; pil. rhei co., gr. iv., 71d. per doz.; tr. trinitrini, 129d. per doz.; tr. cantharidini, 8s. lb.; ung. hydrarg., 5s. 8d. lb.; ung. hyd. am. dil., B.P.C., 3s. 4d. lb.; ung. hyd. co., 5s. 8d. lb.; ung. hyd. oleat., 4s. 9d. lb.; ung. plois liq., 2s. 6d. lb.; ung. plumbi iod., 5s. 8d. lb.; vinum ipecac., 6s. 8d. lb. Bandages, plaster of Paris: 2 in. by 6 yds., 9.00d.; 3 in. by 6 yds., 10.00d. each.

SCOTLAND.

April Drug Tariff.

THE SPECIAL PROVISIONS relating to the War Emergency Formulary will be discontinued from April 30. The new Tariff prices for April are appended:

Name.	oz.	dr.	Name.	oz.	dr.
s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Acet. canthar.	0 4	0 1	Paraldehyd.	1 1	0 2
Acid. aceticum	0 1½	—	Pepsinum	5 11½	0 10½
" acet. glac.	0 3	0 0½	Phenacetin	2 0	0 3½
" acetylsal.	1 3½	0 2½	Phenolphthalein	4 8	0 0
" benzoic	2 1½	0 4	Physostig. sulph.	1 3½	grain
" carbol.	0 2½	0 0½	Potass. brom.	0 5	0 1
" liq.	0 2	0 0½	" chlor.	0 3	0 0½
" salicyl.	0 5	0 1	Pulv. kino. co.	0 10	0 3½
" tannic	1 11½	0 3½	" scammon. co.	1 5½	0 2½
Adeps	0 3	0 0	Sacch. lact.	0 3	0 0½
" benzoat.	0 3½	0 0½	Salein	7 0	0 1
Ammon. benzoat.	2 1½	0 4	Salol	1 1½	0 2
" brom.	0 6½	0 1	Sapo mollis.	0 4	0 1
Anthem. flor.	0 4½	0 1	Sod. benz.	2 1½	0 6½
Caffeina	5 11½	0 10½	" brom.	0 4½	0 1
Caffein. cit.	4 0	0 2 7	" glyceroph. 100%	4 0	1 0
Camphora	1 0	0 2	" hypophos.	0 10	0 2½
Chloral hyd.	1 6½	0 3	" phosph.	0 1½	0 1
Cocain. hyd.	—	13 4	" salicyl.	0 6½	0 1½
Collod. flex.	0 3	0 1½	" sulph. cff.	0 4½	0 1
Conf. guaiaci	0 4½	0 1	Sulphonal	15 5	3 10½
" piper.	0 4½	0 1	Thymol	5 4	1 4
Glyc. pepsin.	0 10	1 1½	Tr. canthar.	0 8	0 2
Guaiacol carb.	7 4½	1 1½	" quin. am.	0 5½	0 1½
Lin. bellad. meth.	1 0½	0 2	Ung. hydrarg.	0 6½	0 1½
" calcis	0 2	0 0½	" hydr. co.	0 6½	0 1½
" methyl. sal. co.	1 0½	0 2	" hyd. iod. rub.	0 5½	0 1½
" terebinth. acet.	0 4	0 1	" hyd. nit.	0 5½	0 1½
Liq. am. acet. conc.	(1-7)	0 3 0 0½	" hyd. oleat.	0 5½	0 1½
" hamamel.	0 3½	0 0½	" iodoform.	0 7	0 2
" trinitrini.	1 5	0 2½	" plumb. iod.	0 6½	0 1½
Lith. carb.	1 9	0 3	" resina.	0 4	0 1
Magnes. levis	0 4	0 1	Vin. ipecac.	0 7	0 2
" pond.	0 5½	0 1	Zinc sulphocarb.	0 5	0 1½
" carb. lev.	0 1½	0 0½			
" sulph. cff.	0 3½	0 0½			

Appliances.

Plaster of Paris bandages:
2 in. × 6 yds. each ... 1 0
3 in. × 6 yds. each ... 1 1½
Gauzes: 6 yds. × 36 in.,
unmedicated, boric, carbolic, cyanide, sal alembroth, sublimate, each ... 2 1
iodoform, 5% each ... 3 1
Lints: unmedicated, oz. 5½d.;
8 oz. 3s.; 1 lb. 5s.; boric, oz.
4d.; 8 oz. 2s. 1½d.; 1 lb. 3s. 4d.;
wools: cotton, oz. 3½d.; 4 oz.
11½d.; 8 oz. 1s. 6d.; 1 lb.
2s. 8d.; boric and sal alembroth,
oz. 4½d.; 1 lb. 4s. 8d.

London Chamber of Commerce.

AMONG the subjects discussed at the meeting, on April 30, of the Perfumery Manufacturers' Section of the London Chamber of Commerce was the question of obtaining spirit for use in perfumery. The annual report stated that the cost of spirit having risen to 55s. per gallon, representations were submitted to the Ministry of Munitions urging the release of a sufficient quantity of British-distilled spirit to enable the manufacturers to continue their industry. Information was subsequently received that the Board of Trade had decided to release British spirit for the use of perfumery manufacturers on the basis of their deliveries in 1916, and that manufacturers would probably be expected to revert to their previous sources of supply. Afterwards the Ministry of Munitions sanctioned the resumption of deliveries of British-produced spirit to manufacturers of perfumery, but reserved the right—(a) to limit the quantity of spirit so delivered, or (b) again to stop all deliveries, without notice, should circumstances require such action. The Section discussed the proposition that steps should be taken to approach the Government asking for the concession of duty-free spirit for the home trade.

Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

Cuscuta.—Leclerc ("Union Pharm.," Jan., 1919) reviews the use of *Cuscuta* since the days of Dioscorides; of the two varieties, *C. epithymum* is the oldest one known to have been employed in medicine. Barbey, in 1895, published his investigations, leading to the isolation of a yellow powder, probably a glucoside, which he named "cuscutin," the latter on boiling with hydrochloric acid yields a resinous body, cuscuretin, and a glucoside. The author has frequently prescribed pills containing 0.1 gram of extract of *Cuscuta*, two to four daily, or two to four teaspoonfuls of a 2 per cent. aqueous solution of the extract, with excellent results in cases of meteorism, and in intestinal atony, and warmly advocates its use in these indications.

Adrenalin Tests.—Denigès ("Bull. Soc. Pharm.," Bordeaux, 4, 1918), in investigating the apomorphous reaction of Grimbart-Leclère, found that if 0.1 c.c. of a solution of adrenalin 1:1,000 is treated with 5 c.c. of a 10 per cent. solution of sodium acetate and two drops of mercuric chloride solution (4 to 5 per cent.), the mixture very quickly assumes a red colour. If the mixture is heated to above 80°, it rapidly loses this coloration. If 0.5 gram of sodium acetate is added to 5 c.c. of a solution containing 0.003 gram of adrenalin in 1,000 c.c., and after solution is effected two drops of a 5 per cent. solution of mercuric chloride are added, a definite pink coloration is produced within a few minutes. This extremely sensitive test is even apparent with a solution containing 0.002 gram of adrenalin in 1,000 c.c., or an amount corresponding to 1/100 milligram in the quantity employed for the test.

New Test for Bismuth.—Denigès ("Bull. Soc. Pharm. de Bordeaux," 1, 1919) describes an extremely simple microscopic test for bismuth, which is based upon the extemporaneous formation of well-defined, colourless microcrystals of hexamethylenetetramine-chlorobismuthate. The test is applied as follows: A drop of hydrochloric acid is diluted with a drop of water on a slide, and a droplet of a 4 to 5 per cent. solution of hexamethylenetetramine is added. If a solid compound is to be tested, a few particles are dropped on to the middle of the drop of reagents; if a solution, a drop is brought into contact at the edge of the mixture on the slide. It is unnecessary to mix or cover by a cover-slide, and the preparation can be immediately examined under the microscope. If bismuth is present in the neighbourhood of the particles, or at the point of contact of the solutions, colourless, very brilliant crystals will be seen.

Detection of Chloretone.—Very small amounts of chloretone can be detected with certainty in aqueous solution by distilling with steam and boiling the distillate in a flask fitted with a reflux condenser. The presence of oils, fats, acids, salts, etc., does not interfere with its detection, but organic solvents must be absent. If a liquid is being tested, distil with steam until about 100 c.c. of distillate are obtained; if a solid is to be tested for chloretone, it is powdered, introduced into a flask, about 500 c.c. of water added, and the mixture distilled with steam. The distillate is boiled in a 300-c.c. flask fitted with a reflux condenser for half an hour. Crystals of chloretone appear in the lower cooled portion of the condenser, especially where the steam crest is being condensed, and as little as 0.001 gram can be detected by this procedure; by using a constricted tube cooled with air instead of a condenser as little as 0.00025 gram can be recognised. The presence of protein interferes with the test, but digesting the protein with pepsin-hydrochloric acid removes the difficulty.—Aldrich ("Journ. Biol. Chem.," 34, 263-7).

Spontaneous Firing of Haystacks.—Based on observations made on the drying of medicinal plants, Tschirch ("Schweiz. Chem. Zeit.," 2, 10-12) advances a new theory to explain the spontaneous combustion occurring in stacks. He regards the first phase of heating as being due to oxidation processes caused by the plant oxidases and at the expense of the air present in the stack, resulting in a small rise in temperature, which ceases when the oxygen present in the stack has been exhausted. In the next phase the chief rôle is played by reductases, which act energetically between 50° and 70° and effect the deoxidation and eventual carbonisation of such substances as amino acids and carbohydrates. The danger of ignition is due to the accumulation of oxygen withdrawn by the reductases, as the reduction processes themselves would not produce sufficient heat to ignite the material. To prevent spontaneous combustion of stacks he recommends thorough drying of the hay before stacking, a procedure intended to minimise enzymic action, and thorough aeration of the stacks; this may be achieved by building them in horizontal layers with air-spaces between.

Removal of Trade Restrictions

AN announcement was made by the Board of Trade this week that, with a few exceptions, all controls on the sale and distribution of commodities exercised by the War Office, Admiralty, Ministry of Munitions, and Board of Trade have been abolished, or will cease at latest on May 31. The following is a complete list of Control Orders that have already been cancelled or suspended:

SUBJECT.	SHORT TITLE OF ORDER.
Acetic Acid	Acetic Acid Order, 1917 Acetic Acid (Extension) Order, 1917
Acetate of Lime (grey)	(Withdrawn from operation of Defence of Realm Regulation 30a)
Acetone	
Aluminium and its Alloys	Aluminium Order, 1916 Aluminium (Returns) Order, 1917 Aluminium (Scrap and Swarf) Order, 1917
Ammonia and Ammoniacal Products	Ammonia Control Order, 1918
Bismuth	Bismuth Order, 1918 Bismuth (Amendment) Order, 1919
Bung Gut and Goldbeater Skins	Bung Gut and Goldbeater Skins Order, 1917
Calcium Carbide	Calcium Carbide Order, 1917
Chlorine and Chlorine Compound	Chlorine and Chlorine Compounds Order, 1918
Coal Tar	Tar (Coal and Water Gas) Order, 1917
Coal Tar or Coke Oven By-products	Coal Tar or Coke Oven By-products (Returns) Order, 1916
Copper sulphate	Copper Sulphate Order, 1918
Crude Benzol, Crudo Naphtha and Light Oils	Benzol and Naphtha Order, 1917
Gasworks Retort Carbon Coke	Gasworks Retort Carbon, etc., Order, 1918
Oven Carbon and Pitch Coke	Hydrogen Order, 1918
Hydrogen	Lead Order, 1917
Lead	Lead Control Amendment Order, 1918 Type Metal (Returns) Order, 1918 Lead (Amendment) Order, 1918
Magnesite	Magnesite Order, 1917
Matches	Matches Orders (Nos. 1 and 2), 1917
Naphtha, Crude Solvent, Solvent and Heavy	Naphtha Order, 1917
Olive Oil	The Olive Oil Order, 1917
Oxygen	Oxygen Order, 1917
Paper	Waste Paper Order, 1917 Paper Restriction (Nos. 3 and 4) Orders, 1918 Paper Restriction Order (Posters and Circulars), 1918 Paper Restriction (Prohibition of Returns) Order, 1918 Paper Making Materials (Home Produced) Order, 1918
Petrol	Motor Spirit (Consolidation) and Gas Restriction Order, 1918 Motor Spirit and Lamp Oil (Maximum Retail Prices) Order, 1918 Petroleum Products (Wholesale Prices) Order, 1919
Platinum	Platinum Order, 1915
Potassium Compounds (Kelp)	Platinum Metal Order, 1916 Potassium Compounds Order, 1917 (in so far as it applies to Kelp)
Radio-Active Substances	Radio-Active Substances (Control) Order, 1918
Shellac	Shellac Control Order, 1918
Tar Oils	Tar Oils Control Order, 1918
Tobacco	Tobacco Restriction Orders (Nos. 2 and 3), 1917
Turpentine	Turpentine, etc., Control Order 1918 (partially)
Whale Oil	Whale Oil Order, 1916

Controls to be Removed.

The following Control Orders will be cancelled or suspended before June 1, 1919:

SUBJECT.	SHORT TITLE OF ORDER.
Fertilisers, etc.	Nitrate of Soda Order, 1917
Nitrate of Soda	Compound Fertilisers (Maximum Prices) Order, 1917
Compound Fertilisers	Compound Fertilisers (Isle of Man) Order, 1917 Compound Fertilisers Order, 1918

SUBJECT.	SHORT TITLE OF ORDER.
Superphosphates	Superphosphates (Maximum Prices) Order, 1917 Superphosphates (Channel Islands and Isle of Man) Order, 1917 Superphosphates (Amendment) Order, 1918 Fertiliser Prices Order, 1918 (i.e. Superphosphates, Sulphate of Ammonia and Ground Basic Slag)
Superphosphates, Sulphate of Ammonia and Ground Basic Slag	Sulphuric Acid Order, 1917 Sulphuric Acid (Amendment of Prices) Order, 1918 Sulphuric Acid (Amendment of Prices) No. 2 Order, 1918
Sulphuric Acid	Paper Restriction (No. 3) Order, 1918 Blast Furnace Dust Order, 1917 Priority of Work Order, 1917 Priority of Work (Partial Suspension) Order, 1918 Resin Control Order, 1918 Seeds, Oils, and Fats Orders
Paper	
Potash	
Priority of Work	
Resin and Resin Oil	
Seeds, Oils and Fats	

Judging by the number of omissions in the above list it is evident that control is still to be maintained over clinical thermometers, petrol, potash compounds (with the exception of those obtained from kelp), sulphur, tungsten ores, turpentine substitute, and quinine.

Export Regulations.

The following alterations in the existing prohibitions of export have been made by the Board of Trade since our last published list (*C. & D.*, April 19, p. 47):

Headings Transferred from One List to Another.

From "A" to "C" list: Glucose, liquid; acetocelluloses. From "B" to "C": Bauxite.

Heading Altered.

Delete	Substitute
(A) Oils and fats, edible, including blends of two or more edible oils or fats, except the following (which are on List "C"): Hemp-seed-oil, kapok-seed oil, maize oil, mowrah-seed oil, niger-seed oil, olive oil, poppy-seed oil, rape-seed oil, shea butter, sunflower oil.	(A) Oils and fats, edible, including blends of two or more edible oils or fats, except the following (which are on List "C"): Hemp-seed-oil, kapok-seed oil, maize oil, mowrah-seed oil, niger-seed oil, olive oil, poppy-seed oil, rape-seed oil, shea butter, sunflower oil, dripping, premier jus.

Black Lists Withdrawn.

The Foreign Trade Department of the Foreign Office announce that the Allied and Associated Governments have decided that after midnight, April 28-29, all black lists of firms and persons which they have published or compiled shall be withdrawn, and that all disabilities attaching to trade and communication with firms or persons on such lists shall cease to operate. The Allied and Associated Governments reserve the right to reintroduce all or any of such black lists should such action become necessary. It will not, therefore, be necessary until further notice for firms in this country to consult the War Trade Intelligence Department concerning firms abroad with which they wish to trade. The Foreign Office and Board of Trade Department of Overseas Trade also announce that all export licences are to be considered as of unrestricted validity, even though a time limit for shipment may be stipulated therein.

Goods to Occupied Territory.

The announcement on trade with the left bank of the Rhine issued by the Board of Trade on March 14 (*C. & D.*, March 29, p. 66) is cancelled, and it is announced that it will no longer be necessary for exporters to obtain licences from the Export Licence Department before shipping to the territories on the left bank of the Rhine in the occupation of the Associated Governments goods other than those included in List "A" and "B" of prohibited exports.

Trade with Northern Neutrals and Switzerland.

The Board of Trade announce that, with a view to obviating the delays of the existing system of guarantees against re-exports from the Northern neutrals and Switzerland, the Associated Governments have agreed to the following modifications: On and after April 29 the issuance of individual guarantees against re-export, as a condition precedent to the issuance of export licences by the Associated Governments, shall no longer be necessary, on condition that (a) all shipments for Holland, Sweden, Denmark, Norway, and Switzerland (where not already covered by individual certificates or guarantees) be consigned as follows for account of a named sub-consignee:

As regards Holland to the Netherlands Oversea Trust.

Sweden to the Handels Kommission.
Denmark to the Merchants' Guild, Copenhagen, or Danish Chamber of Manufactures.

Switzerland to the Société Suisse de Surveillance.

Norway to the appropriate importing associations, or as regards commodities not covered by such associations, to the Inter-Allied Trade Committee, Christiania.

(b) In case any of the above-mentioned organisations should refuse to accept consignment the shipments may be consigned to the local Inter-Allied Trade Committee for a named sub-consignee. These local I.A.T.C.s will endorse the bills of lading (without any financial liability) on receipt of satisfactory guarantees from the importer. Information will be given as soon as it is known which of the above-mentioned organisations are prepared to accept consignment. All individual licences for export and guarantees against re-export which have actually been issued will remain in force, and export licences will, subject to home requirements, be issued on guarantees already obtained. An endeavour is being made to bring about some further simplification, and if this takes place an early announcement will be made. It is suggested that in all cases in which guarantees have not already been obtained the exporter should get into touch with his importer with a view to ascertaining which of the methods of consignment should be followed. The foregoing procedure will not apply to shipments of commodities specified on the free list, which may continue to be made free of all restrictions. The Associated Governments maintain the principles of the blockade and reserve the right to reimpose any or all of the restrictions heretofore in effect should circumstances later warrant such action.

Transferred to List "C" by Open General Licence.

Lactol (a proprietary form of dried milk); Lactogol (a patent food containing 20 per cent. sugar and $7\frac{1}{2}$ per cent. cocoa).

New Books.

London Dermatological Society. *Transactions and Seventh Annual Report*. 8½ in. × 5½ in. Pp. 90. 2s. 6d. (Bale, Sons & Danielsson, Ltd.) [The "Transactions" include several papers of interest to pharmacists—notably one by Dr. Donald Baynes on the application of electricity and light in skin affections, and one by Dr. W. Knowsley Sibley entitled "Syphilophobia and Prophylaxis." In lighter vein, there is an address by Dr. Leonard Williams flavoured with epigrammatic dicta that embody a good deal of plain sense—e.g., his description of a dermatologist as "one who cannot see the skin because of the pimples."]

Maiden, J. H. *A Critical Revision of the Genus Eucalyptus*. 12 in. × 9½ in. Vol. IV. Parts 4, 5, 6. 2s. 6d. each Part. (Gullick, Government Printer, Sydney, N.S.W.) [These three numbers, each of which contains four plates, bring the complete work up to Part XXXVI. The eucalypts dealt with are: (4) *E. redunca*, *E. accedens*, *E. cornuta*, *E. Websteriana*; (5) *E. Lehmanni*, *E. annulata*, *E. platypus*, *E. spathulata*, *E. gamophylla*, *E. argillacea*; (6) *E. occidentalis*, *E. macrandra*, *E. salubris*, *E. cladocalyx*, *E. Cooperiana*, *E. intertexta*, *E. confusus*.]

Richter, Victor von. *Organic Chemistry or Chemistry of the Carbon Compounds*. Vol. I, Chemistry of the Aliphatic Series. Translated by Percy E. Spielmann, Ph.D., etc. Second (revised) edition. 9 in. × 6 in. Pp. xvi. + 719. 21s. net. Kegan Paul, Trench, Trübner & Co., Ltd., Broadway House, Carter Lane, London, E.C. [We reviewed the first edition of this work in THE CHEMIST AND DRUGGIST, January 29, 1916, and the book has evidently met with an appreciative reception, as a second edition is now issued. The opportunity has been taken to correct some misprints, unavoidable in such a highly technical work. The book is a standard in organic chemistry, and students for the Major examination will find it unequalled for reference purposes.]

Slack, J. E., and Dorey, A. *At a Glance*. 9½ in. × 6½ in. Pp. 71. 7s. 6d. (The Technical Publishing Co., Ltd.) [An expansion of an edition first published privately. The purpose of the volume, which consists of conversion tables for values of British, metric, and Russian weights, measures, temperatures, and dates, is, primarily, to assist exporters in their dealings with allied and neutral countries. The tables are carried out to several places of decimals, and are clearly printed.]

LINSEED.—The production of linseed in Canada, the United States, and India is estimated at 21,605,000 cwt. for 1918, or 21.6 per cent. greater than in 1917, and 15.9 per cent. less than the average for 1912-16.

Japan Replies to Opium Charges.

THE Japanese Foreign Office has cabled to Consul-General Yada in New York a reply to the charges made by the "North China Daily News" (see *C & D*, February 22, pp. 56 and 60) that Japan officially is surreptitiously encouraging the opium trade in China. The reply says in part: "Of late, denunciation against the Japanese in connection with deals in opium, cocaine and morphine in China has become more and more persistent. Some of the critics have gone so far as to spread the report that our Post Office and the Imperial Army are protecting illegal practices in connection with drugs. These reports have been especially manufactured with no other object in view than to wreck the friendly relations between China and Japan. The Imperial Government proposed to the Chinese Government that it would recognise the general and complete prohibitory measures against importation of opium, morphine, and cocaine into China if the Chinese Government would enact regulations and rules along the line of the regulatory rules now in force. Our Government proposed this in 1913, based on the principle of the prohibition of importation of opium into China. The Chinese Government did not make a reply of any kind whatever. The Imperial Government, with the rest of the interested Powers, recognises and respects the regulations of the Chinese Government in connection with the importation of morphine, cocaine, etc., which it established in 1909. At the same time our Government issued instructions to our Consulates in China to forbid Japanese subjects, in the most rigorous manner, to have anything whatever to do in importing, receiving, holding, or dealing in such articles, and to mete out proper punishment to violators."

The Quinine-tin Sundial.

If you had nothing but a piece of a quinine-tin, could you make a perfect sundial in a desert? You can see such a sundial, outside the pharmacy of a British prisoners of war camp, at an historic spot in Egypt. The needle is constructed simply of a piece of the quinine-tin fixed at the proper slope and angle. The dial itself is made of pebbles picked up in the desert—blue and white, large and small; the column is made of hardened mud. The hours on the dial are exactly aligned and traced with smaller stones. The man who made it must have been a consummate scientific mechanic, for it showed the time with perfect accuracy. And with sardonic irony it bore the legend "Tempus fugit." I should like to claim the credit for a Britisher, but I fear the artist was a German prisoner. He had also made mosaics spelling "Dispensary" in British, German, and Arabic. There was nothing elaborate in the pharmacy, but it was clean and well kept. The sergeant-dispenser was from one of the big North of England towns, and was longing to get back, of course. There were tablets from the Standard Tablet Co.—just a few; calomel, quinine, laxative, opium, phenacetin, etc.—drugs from that firm in Coleman Street whose labels you cannot get away from in any part of the Empire. By the way, I was sent out on an Inspection Board the other day to investigate a loss of weight occurring in a number of bottles of sodium carbonate crystals. They were 2-lb. bottles, well corked and paraffined. The salt had melted in the sun and become a white, congealed mass, with a loss of weight about 4 oz. in each bottle. Still, there was no sign of any of the salt getting through the paraffined cork. Probably the deficiency was due to evaporation of the water of crystallisation. We found, anyhow, that it was due to climatic conditions, and that nobody was to blame.

J. C. McWalter, M.D., L.P.S.I.

BELGIAN DRUG PRICES.—To illustrate the enormous increase in the prices of drugs during the war, the "Journal de Pharmacie de Belgique" (No. 10, 1919) has calculated the prices for 141 drugs and chemicals, in fixed amounts for each article, varying from 10 grams for cocaine and morphine to 1 kilo. in the case of such drugs as vaseline, tincture of opium, borax, etc., based on the prices charged by wholesalers. The following table shows the total cost price (wholesale) of these 141 products at the various dates specified; the amounts are in francs:

July 1914	...	...	...	...	552.85
May 1916	...	...	...	...	1,755.30
November 1916	...	...	...	...	1,869.45
July 1917	...	...	...	...	2,614.75
December 1917	...	...	...	...	3,674.45
June 1918	...	...	...	...	5,330.05
December 1918	...	...	...	...	6,614.50

The above figures show that the price paid by the pharmacist for purchasing these amounts of 141 different drugs has risen from 22*l.* in 1914 to 264*l.* in 1918.

Trade Report.

42 Cannon Street, E.C. 4, May 1, 3 p.m.

THERE is rather more general activity this week in chemicals, drugs, and Mining Lane produce, both for home and export account. Speculation is rife as to whether Germany will make a quick peace, many believing that the document will not be signed for several months to come, but others are of the opinion that there will be no delay, as every day's loss of trade to Germany is incalculable. It will be interesting to observe what effect the signing of peace will have on prices. So far as orders for pharmaceutical chemicals are concerned, there is a desperate keenness for business, and prices of many products continue to undergo slight reductions, although not a few articles appear to have reached a point at which a further decline does not seem possible. Phenazone and phenacetin have been in good demand. Products which have further eased include pyrogallic acid crystals, atropine sulphate, salol, paraldehyde, and resorcin (to arrive). Aspirin continues in a waterlogged condition owing to American competition. Acetanilide and benzaldehyde are likely to go lower; acetic acid is cheaper. Amidopyrin is rather dearer. Dutch caffeine is offered cheaply. Chloral hydrate has been active in view of a probable increase in the duty. Citric acid continues active for export; tartaric acid is easier, and cream of tartar has keen sellers. Methyl salicylate is very cheap; salol and paraldehyde are weaker. Among drugs, Matto Grosso ipecacuanha has been the subject of quiet buying, and stocks have been reduced. Senega meets with a fair demand. Cardamoms are dearer. Canary-seed is lower, and fenugreek-seed has had a sharp rise. Dutch caraway is likely to be cheaper. Turkey opium has arrived in quantity, and will be obtainable at more reasonable prices.

Higher	Firmer	Easier	Lower
Camphor (Jap. tabs.)	Citric acid	Cadmium	Acetic acid
Farina	Clove oil	Lithopone	Acetic
Fenugreek-seed	Mint oil (Jp.)	Naphthalene	anhydride
Ginger (Cochin)		Potash caustic	Acetone
Linseed oil		Pyrogallic acid	Almond oil, B.P.
Menthol		(cryst.)	Amidol
Methyl		Tartaric acid	Ammon.
sulphonol			phosph.
Shellac			Arsenic
Soda nitrite			Atropine sulph.
Soda phosphate			Canary-seed
			Caraway-seed
			Coumarin
			Diamidophenol
			Lactic acid
			Lead acetate
			Lead nitrate
			Levon oil
			Orris (Flor.)
			Salicylic acid
			Salol
			Soda acetate
			Soda sulphide
			Paraldehyde
			Resorcin
			Vanillin

Cablegram.

NEW YORK, April 30.—Business is quiet. Menthol is higher at \$6.00 per lb. Balsam tolu has also advanced to \$1.30. Cream of tartar is lower at 55c., and citric acid has been reduced to \$1.16. Potassium iodide is lower at \$3.30 per lb.

ACETANILIDE.—Several important inquiries have been received for export, but owing to the large stocks of aniline oil a further decline seems unavoidable. Meanwhile the price remains at from 2s. 6d. to 3s., according to quantity.

ACETIC ACID.—Prices have been forced down by competition to 90l. per ton for glacial, and 80l. for 80 per cent. pure on the spot. It is still difficult to effect shipment from the U.S.A., as freight is by no means plentiful, and no large consignments are coming forward.

ACETIC ANHYDRIDE is cheaper, 85 to 95 per cent. offering at 5s. 6d. per lb. in carboys.

ACETONE is lower at 110l. per ton in drums; acetone oil is 90l. per ton.

AGAR-AGAR is steady, No. 1 Japanese strip selling at 2s. 3d., and No. 2 (which is scarce) at 2s. 1½d. per lb. At auction 15 bales No. 2 sold without reserve at 1s. 8d., and 45 bales No. 1, slightly damaged, at 1s. 10d.

ALCOHOL.—The drug trade fully expected an increase in the spirit duty, but the advance from 30s. to 50s. per proof gal. is much higher than anybody anticipated.

ALMOND OIL.—English pressers have reduced the price of the genuine B.F. oil to 3s. 9d. per lb. for cwt. lots, smaller quantities being 2d. per lb. extra.

ALOES.—The exports from the Union of South Africa during December 1918 amounted to 2,402 lb., against 23,672 lb. in December 1917. During the twelve months ending December 1918 the exports were 539,677 lb. (6,417l.), against 752,635 lb. (6,935l.) in December 1917.

AMIDOL of British make is cheaper at 17s. 6d. per lb.

AMIDOPYRIN.—Important export orders have practically cleared the stocks in this country, and makers have little to spare for May delivery; the spot price is 65s., and to come forward 62s. 6d. to 60s. is quoted.

AMMONIA PHOSPHATE is cheaper, 98 to 100 per cent. offering at 115l. per ton on the spot in casks.

ANISE is unchanged at 80s. per cwt. for Russian and 90s. for Spanish.

ANISE OIL, STAR, is quiet, with spot holders asking 4s. 6d., and 3s. 10½d. c.i.f. to arrive.

ANTIMONY.—After the recent marked slackness the demand seems to be improving, and foreign regulus has been sold in small lots up to about 40l. per ton ex warehouse, while the nearest quotation is 38l. There is also a little inquiry for crude, but business is not very easy, as there are few sellers, whose ideas at about 35l. are too high to induce buying.

ARSENIC.—Very sharp fluctuations have taken place, and it is difficult to get a quotation representative of the market, which is unsettled. It is rumoured that business has been done in low-grade foreign material down to about 23l., while Portuguese parcels are still offering at prices well below the terms usually quoted for best Cornish powder. Mines' agents ask about 30l. per ton for the latter, and small lots have sold up to 31l. In view of the big fall in prices operations in various countries, where the output had been developed under last year's very high prices, will doubtless have to be suspended except where arsenic is turned out as a by-product.

ASPIRIN.—The market continues very depressed, and a wide variation exists among the makers' prices. American offers appear to have seriously disturbed the market here, and the spot price is from 5s. 6d. to 5s. per lb.

ATROPINE SULPHATE has been reduced to 65s. per oz.

BENZALDEHYDE can be bought at 7s. 6d. per lb. for f.a.c. quality, and is likely to be cheaper, as the production is increasing.

BENZOTIC ACID is unchanged at 6s. 6d. per lb., and although stocks are on the light side the general position is decidedly weak.

BENZOL.—The Board of Trade desire to draw the attention of dye-manufacturing firms to the fact that they are in a position to supply quantities of pure benzol for dye-making purposes delivered ex storage tank at various centres at 1s. 9d. per gal. As the supply is limited, it is desirable that inquiries, even if for forward delivery, should be made at once. All orders should be addressed to the Commissioner for Dyes, Board of Trade, 7 Whitehall Gardens, London, S.W.1.

BUCHU.—There were no exports from the Union of South Africa during December 1918. For the twelve months ended December 1918 the exports amounted to 89,675 lb. (16,948l.), against 124,110 lb. (20,154l.) for 1917.

CADMIUM.—The supply is in excess of the present slow demand, and prices have eased again, ranging from 6s. 9d. to 7s. per lb.

CAFFEINE.—Dutch make is on the market, the pure alkaloid offering at 35s. per lb., and 32s. 6d. to come forward.

CAMPHOR MONOBROM. meets with more inquiry for export at 15s. per lb.

CAMPHOR (REFINED).—Japanese slabs are quiet, with spot sellers at 9s. 3d., at which business has been done; 4-oz. tablets have been sold at up to 10s., and 1 oz. at from 9s. 6d. to 9s. 9d.

CANARY-SEED is lower, with a good trade passing in ordinary to fair Morocco at 110s. to 115s. per quarter.

CARAWAY-SEED.—There is no settled quotation for Dutch seed, owing to the difficulty of obtaining freight, but it is somewhere about 110s. to 120s. per cwt. Good Morocco is offering at 90s. on the spot.

CARDAMOMS are dearer, the sales including Ceylon-Malabar at up to 3s. 6d. and green Aleppy at 3s. 6d.; Bombay seed is quoted 2s. 9d. to 3s.

CHAMOMILES move off steadily at from 230s. to 235s. per cwt. on the spot.

CHLORAL HYDRATE.—In the expectation of the Customs duty being raised there has been a rush to buy spot parcels, and stocks have been appreciably reduced in consequence; from 5s. 6d. to 5s. has been paid for crystals in bond.

CINCHONA.—The exports from Java during 1917 and 1918 were as follows:

To	1917 Kilos.	1918 Kilos.
Netherlands	954,000	—
Great Britain	900,000	744,000
U.S.A.	768,000	1,560,000
British India	—	18,000
Singapore	50,000	107,000
Japan	24,000	415,000
	2,696,000	2,844,000

CITRIC ACID.—Quite an important business continues to be done for American account, and this has now considerably depleted stocks on the spot, from 4s. 4d. to 4s. 4½d. being asked. English makers have been working on stocks of citrate of lime, bought at much cheaper rates than those now prevailing in Italy, so that when these stocks are exhausted it is anticipated that prices of citric acid will have to be higher.

CLOVE OIL, which has been recently selling down to 7s. 6d. per lb., is now steadier at 8s.

CLOVES are rather firmer, with small sales of Zanzibar up to 11½d. per lb.

COCAINE is quoted at from 34s. to 35s. per oz. for hydrochloride on the spot.

COCA-LEAVES.—The exports from Java from January to December 1918, compared with 1917, were as follows:

To	1917 Kilos.	1918 Kilos.
Netherlands	13,448	—
Great Britain	4,105	—
United States	151,601	282,555
Japan	6,423	211,629
	175,577	494,184

COCOA-BUTTER.—For small parcels 3s. per lb. is asked and paid.

COD-LIVER OIL.—We understand that licences to export from Norway are now being granted, and for prompt shipment finest new Lofoten non-freezing oil is quoted at 425s. per barrel c.i.f. London. Our Bergen correspondent writes on April 24 that the winter cod-fisheries are now finally closed, and the Fimmarken season is about to commence. The prospects for the latter are considered rather favourable. The official reports give the following results for all the Norwegian cod-fisheries up to April 17:

	1917	1918	1919
Catch of cod (millions)	21.2	14.2	16.6
Yield of c.l.o. (hect.)	31,400	14,900	21,900
Liver for "raw" oils (hect.)	3,100	2,700	1,950

The maximum prices for cod-liver oil are still maintained for internal business.

COPPER SULPHATE.—When all the restrictions on export business have been removed, which is anxiously looked forward to by makers and merchants, it is probable that private business will gradually revive. A certain amount of the commodity continues to be shipped in execution of Government contracts, especially to the Near East. As to Roumania, merchant business will be impossible for some time, as merchants hardly care to take the risk in the absence of a proper exchange rate basis. Good quantities will in time be required for that country. The market is nominal at about 46l. per ton, less 5 per cent., f.o.b. Liverpool.

CORIANDER-SEED continues to be neglected, and quotations are unchanged at 19s. to 21s. per cwt. for ordinary to good Morocco.

COUMARIN has declined to 45s. per lb. on the spot, and to arrive 35s. is quoted.

CREAM OF TARTAR.—Dealers are trying to dispose of their stocks at best possible prices, although the Italian makers are holding out for higher prices owing to cost of raw material; 250s. per cwt. is a reasonable price for 99 to 100 per cent. powder.

CREOSOTE CARBONATE.—Consignments have arrived, from which sales have been made at 55s. per lb.

CUMIN-SEED is slow of sale at 35s. to 42s. 6d. per cwt. for common to good Morocco.

DIAMIDOPHENOL is about 2s. 6d. per lb. cheaper, offering at 17s. 6d.

DILL-SEED.—A sale of ordinary East Indian is reported at 29s. per cwt.

EUCALYPTUS OIL.—The principal holders remain firm in the expectation that when peace is declared there will be a large demand for the Central Empires. Smaller shipments are coming forward. Some of the leading interests quote 3s. per lb., but there are a number of smaller holders offering at slightly less.

FARINA is dearer, with spot sales of No. 1 Japanese at 41s. to 42s., and for April-May shipment 40s. c.i.f. is quoted.

FENNEL-SEED has been sold at 39s. per cwt.

FENUGREEK-SEED is dearer at 15s. per cwt. for Morocco.

FORMALDEHYDE remains steady in the U.S.A. owing to the firm rates for methyl alcohol, and the spot price is maintained at from 127l. to 130l. per ton for 40 per cent.

GALLIC ACID is still obtainable at 6s. 6d. to 6s. per lb., and as makers are working on high priced galls an appreciable reduction is not expected at present.

GALLS.—Small supplies of Persian blue are available on the spot, about 135s. being the selling price.

GENTIAN is quiet, with spot sellers at 57s. 6d. per cwt.

GINGER.—Jamaica is steady at from 115s. to 120s. per cwt., with fairly heavy stocks. Cochin is dearer, sellers asking 77s. 6d., and Calicut is 70s., Japanese is 40s. to 45s., and African 45s. At auction prices were higher, 239 bags of Cochin being sold at from 75s. to 75s. 6d. for good washed rough; 100 bags Sierra Leone were bought in, a bid of 45s. being refused; 100 bags of Bengal were bought in at 60s.

GUAIACOL CARBONATE is selling at from 35s. to 37s. 6d. per lb. on the spot.

HEXAMINE is quoted at from 5s. 9d. to 6s. per lb. on the spot, but it can be bought for forward delivery at 5s.

HONEY.—Good amber set West Indian is obtainable at 65s. per cwt., and fair Australian is quoted at 56s.

HYDROQUINONE can be bought at 10s. 6d. per lb. on the spot.

IPECACUANHA.—A fair quantity has changed hands since the last auction, principally Matto Grosso, good stout of which has been sold up to 10s. 6d., and wiry at from 9s. 9d. to 10s. Cartagena is very scarce at 10s. 6d. As there appears to have been no arrivals for a lengthy period the April statistics should show a material reduction.

ISINGLASS.—At auction the large supply of 1,419 packages were offered, and met with a fair demand at irregular prices. Bombay met with a heavy decline for leaf and tongue; and purso was also cheaper. Penang qualities were firm to dearer, and Saigon also sold well. Brazil lump was 2d. to 3d. dearer and West India firmer, Maracaibo was 6d. cheaper.

JUNIPER-BERRIES are steady, with small sales of fair Italian at 38s. per cwt.

LACTIC ACID.—Technical, 50 per cent., is cheaper at 70l. per ton in barrels on the spot.

LEAD ACETATE is cheaper, white offering at 85l. to 90l. per ton, grey 80l. to 82l. 6d., and brown 75l. per ton in casks.

LEAD NITRATE is offered at the lower price of 63l. per ton in casks.

LEMON OIL is rather weaker at from 4s. 3d. to 4s. 6d. on the spot and 4s. 6d. c.i.f. to arrive. Demand is poor.

LINSEED OIL.—The Government control has been removed, which has had the effect of raising the price to 70s. per cwt., and a good business has been done.

LIQUORICE-JUICE.—Spot supplies of genuine Sicilian block are available at 310s. per cwt.

LITHIA CARBONATE.—From 8s. 6d. to 9s. per lb. is obtainable for spot parcels.

LITHOPONE is easier, white 30 per cent. offering at 44l. per ton on the spot, and at 37l. for forward delivery.

MENTHOL is dearer on spot, with sales of Kobayashi-Suzuki at from 22s. 9d. to 23s. per lb.

METHYL SALICYLATE.—The spot price is from 3s. to 2s. 6d. per lb., according to quantity. At these low values there is some inducement for buyers to stock.

METHYL SULPHONAL is still very scarce, and worth 100s. per lb. on the spot if obtainable.

MILK-SUGAR has spot sellers at 1s. 6d. per lb.

MINT OIL is firmer, with spot sales of Kobayashi-Suzuki up to 5s. 10½d. per lb., and afloat 5s. 7½d. c.i.f. has been paid.

MORPHINE is nominal at from 18s. to 18s. 6d. per oz. for hydrochloride powder.

NAPHTHALENE is cheaper, candles offering at 60l., marbles at 52l., and tablets at 48l. per ton.

OPIMUM.—Supplies of Turkey opium are now being consigned to the London market from Smyrna, and a considerable quantity has recently arrived in the U.S.A. This opium is likely to be available at much more reasonable prices, and tentatively about 45s. is named.

ORRIS.—Florentine is cheaper, good sorts being obtainable at 105s. per cwt. on the spot.

PARALDEHYDE can be bought for forward delivery at 4s. 6d. per lb., spot values being about 4s. 9d.

PEPPER is steady and unchanged, black Singapore offering on the spot at 10½d. and May-July shipment at 9½d. c.i.f. London. Tellicherry on spot is 10½d. buyers, and Aleppy 9½d. White is also steady, with spot sales of Muntok at from 1s. 3¾d. to 1s. 4d., and sellers of Singapore at 1s. 3½d.;

to arrive Muntok for April-June shipment has been sold at 1s. 3d. c.i.f.

PEPPERMINT OIL.—American tin oil remains firm at from 46s. to 48s. per lb., according to importer, and dealers have done a small business at 45s. Large buyers hold off, and the business is mostly confined to single cases. A limited quantity of H.G.H. just landing is quoted at 52s. to 52s. 6d.

PETROLEUM JELLY.—Yellow is offered at 60s. per cwt.

PHENACETIN is selling at 10s. 6d. per lb. on the spot, and as spot supplies have been reduced, and little or nothing is coming forward, indications point to a scarcity later.

PHENAZONE.—Several export orders have lately been executed from London, and stocks are by no means large; from 46s. to 47s. 6d. is quoted.

PIMENTO is steady at 5d. per lb. on the spot.

POTASH CAUSTIC is rather cheaper, solid, 90 per cent., offering at 240l. per ton and liquid at 130l. per ton.

PYROGALLIC ACID.—The price of crystals is being cut owing to keen competition from English makers, and 10s. 6d. will now buy. Resublimed still commands the proportionately higher prices of 14s. 6d. to 15s.

QUININE.—There is a report, the authenticity of which we are unable to vouch for, that the control is to be taken off quinine. Meanwhile, druggists are able to get all they require from the usual source. The exports of quinine from Java from January to December 1918, compared with 1917, were as follows:

To	1917 Kilos.	1918 Kilos.
Netherlands ...	3,337	—
Great Britain ...	23,217	50,835
Europe ...	2,357	13,900
U.S.A. ...	26,385	40,796
British India ...	12,259	60,064
Singapore ...	6,456	23,288
China ...	15,311	9,855
Philippines ...	1,072	5,988
Japan ...	21,912	25,908
Australia ...	3,168	4,272
Other Countries ...	11,426	16,196
	129,900	251,102

RESORCIN.—The spot price is still 22s., but it can be bought to arrive at 15s.

SALICYLIC ACID.—B.P. acid powder is selling on the spot at 1s. 6d. to 1s. 9d. per lb. There are cheaper offers than this from America, but such would cost 1s. 6d. to lay down here in view of the freight to be paid on bulky powder, so that the reduction in price by American competition does not affect the position in the way expected. Many people prefer needle crystals, for which slightly more has to be paid.

SALOL is obtainable at 4s. 6d. per lb. on the spot, and at 4s. to come forward.

SENEGAL.—A fair quantity has been recently sold at from 5s. 6d. to 5s. 9d. on the spot and at 5s. 6d. c.i.f.

SHELLAC.—At auction 184 packages chiefly sold without reserve, including 75 bags good pale second Orange, slightly matted, at 245s. to 246s., TN solid block 195s. to 205s., blocky 211s. to 212s.; 109 cases Garnet sold at a decline of 20s. per cwt., comprising fair cakey to blocky 205s. to 206s., and solid block 180s. to 185s. Privately, market is quiet, but spot prices higher, TN of usual standard quality offering at from 230s. to 232s. 6d. in cases, and from 225s. to 230s. in bags; fine Orange is 320s. to 370s. Futures are irregular but much dearer on balance since our last report, sales of August delivery having been made from 212s. to 228s. down to 222s.; to arrive, April-June shipment of TN in bags has been sold at 207s. 6d. to 205s. c.i.f.

SODA HYPOSULPHITE.—Pea crystals of English make are quoted at 35l. per ton, and at 24l. for ordinary in ton lots.

SODA SALICYLATE is fairly steady at from 2s. 9d. to 2s. 6d. per lb., and a little cheaper for forward delivery. At these low prices the consumption should be stimulated.

SODA SALTS.—Acetate in small crystals for prompt delivery is slightly cheaper at 72l. per ton. Nitrite, 96 to 98 per cent., is rather dearer at 63l. per ton. Phosphate is higher at 27l. 10s. per ton for commercial crystals (97 to 100 per cent.) in casks and bags. Sulphide is cheaper, 30 to 32 per cent. crystals offering at 16l. 12s. 6d., and concentrated, 60 to 62 per cent., at 24l. per ton in casks.

TANNIC ACID is still offered at from 8s. 6d. to 9s. per lb. on the spot, and 6d. cheaper to come forward.

TARTARIC ACID.—Several shipments have arrived from Italy, and owing to the unseasonable weather the demand in the aerated-water trade is very light; 3s. 3d. is quoted by dealers, but makers are not likely to be cheaper.

TRAGACANTH meets with a steady sale, with a continued scarcity of good white druggists' flake.

TURPENTINE.—The market has lately again developed considerable irregularity, but rather more activity. Whereas the spot price has been retained at 99s. per cwt. for American, which shows a big premium over May delivery, forward sales have been made pretty freely to below 70s. for delivery in the last four months of the year. A fairly normal supply may, of course, by that time be secured this side. While some consumers seem disposed to place orders forward against prospective needs, purchases of spot or near delivery are kept down to urgent requirements. There seems to be an easier feeling in the American market on the advent of new crop spirit, and demand on that side is reported to be mostly hand-to-mouth.

VANILLIN of American make appears to have been dumped on this market, and spot values are down to 38s. per lb.

WAX (VEGETABLE).—The exports from Japan during December amounted to 514,445 kin, valued at 221,692 yen. During the year ended December 31, 1918, they were as follows:

	1916	1917	1918
Kin ...	6,308,295	4,976,093	8,924,049
Yen ...	1,735,600	1,565,666	3,108,516

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the ports named:

To London

(Apr. 17 to 28).

Acetone (U.S.), 216

drms.

Acetone methyl (U.S.),

160 drms.

Acid, tannic (St. John,

N.B.), 11 brls.

Alcohol acetone (St.

John, N.B.), 22 drms.

Alcohol wood (U.S.),

146 drms. (St. John,

N.B.), 276 drms.

Almonds (Sp.), 340

bxs. 50 bgs. (Mor.),

114 pkgs.

Antimony ore (Aust.),

1,960 bgs.

Barytes (Sp.), 1,513

bgs. (It.), 500 bgs.

Casein (Fr.), 1,438 bgs.

Chemical products, etc.,

Acetic acid (U.S.),

54 brls.

Argol (Port.), 300

bgs.

Citrate of lime (Sic.),

9 cks.

Formaldehyde (U.S.),

280 brls.

Pot. iodide (Jp.), 74

cs.

Pot. prussiate (Jp.),

120 cs.

Quinine sulph. (Jv.),

895 cs.

Talc (It.), 1,000 bgs.

(Fr.), 2,097 bgs.

Tartar (Fr.), 20 brls.

Tartaric acid (It.),

60 brls.

Zinc dust (Jp.), 339

cs.

Drugs, medicines, etc.,

unrated (Fr.), 37

cs.

Aconite root (Jp.),

42 cs.

Agar-agar (Jp.), 50

bls.

Campbor (Jp.), 58 cs.

Cantharides (Ch.), 10

cs.

Cardamoms (B'bay),

15 cs.

Chamouilles (It.), 29

bls.

Cinchona (A'dam),

10 bls. (Sp.), 50 bls.

(Jv.), 4,841 bls. 230

bgs.

Cod-liver oil (R'dam)

50 cs.

Elderberries (Port.),

15 cs.

Galls (B'bay), 43 bgs.

Menthol (Jp.), 50 cs.

Nux vomica (E.L.),

960 bgs.

Opium (B'bay), 16

cs. (Smyr.), 135 cs.

Orris (It.), 132 bls.

41 pkgs.

Senna (B'bay), 120

bls.

Turmeric (B'bay),

100 bgs.

Dyes, dyeing and tan-

ning materials, etc.:

coal tar dyes (U.S.),

21 brls. (Fr.), 30 cs.;

tanning extract (Fr.),

1,231 cks.; fustic

ext. (N.Y.), 20 bxs.;

indigo (Sp.), 5 pkgs.;

sumac (It.), 370 bgs.;

tannate (Fr.), 34 cks.;

valonea (Smyr.), 86

tons.

Egg products: yolk-

(Ch.), 677 cs. liquid,

and albumen (Ch.),

28 brls.

Gums, resins, etc.:

unrated (S'pore),

1,942 cs. 65 bgs.;

copal (S'pore), 147

cs.; damar (S'pore),

251 cs. (Jv.), 1,470

cs.; resin (Port.),

51 cks.; shellac

(B'bay), 460 bgs.;

sticklac (S'pore), 225

cs.

Honey (Aust.), 417 cs.

Leaves, unrated (Port.),

10 bgs.

Lemon juice (Sic.), 10

pps.

Liquorice juice (Sic.),

12 cs.

Liquorice paste (Sp.),

115 cs.; (Sic.), 20 cs.

Oils, essential, unrated

(Jp.), 5 drms. 242

pkgs (Sp.), 31 drms.;

caraway (Holl.), 2

pkgs.; citronella

(Jv.), 52 drms.;

mint (Y'hama), 40

cs. (Kobe), 50 cs.;

(Holl.), 4 cs.; rose

(Smyr.), 2 cs.; tur-

pentine (U.S.), 800

brls.

Oils, fixed: coconut

(R'dam), 1,046 cks.

1,202 brls. (Jp.), 45

cs.; cod (Jp.), 25

cs.; fish (Jp.), 14 brls.

1,120 cs.; ground

nut (Jp.) 25 cs.;

(Ch.), 490 bgs.;

herring (Jp.), 25 cs.;

lin (Jp.), 25 cs.;

olive (Sp.), 335 brls.;

palm (R'dam), 1,544

brls.; perilla (Jp.),

20 cs.; rape (Holl.),

301 brls. 50 cs. 233

cks.; rape and coco-

nut (Holl.), 770 brls.;

sesame (Jp.), 35 cs.;

shark (Jp.), 25 cs.;

soya bean (Jp.),

5,025 cs.; sperm

(Jp.), 1,000 cs.;

wood (Ch.), 306 cks.

56 drms.; tallow

(Jersey), 5 cks.

(N.Z.), 585 pkgs. 76

cks. (Aust.), 1,533

cks.

Perfumery (Fr.), 86 cs.

Quicksilver (Sp.), 5,000

bott.

Seeds, etc.: unrated

(Sp.), 96 bls.; caraway

(R'dam), 150 bgs.;

(Holl.), 100 bls.;

cashew (B'bay), 77

cs.; copra (S'pore),

14,234 bgs. 500 sks.;

cotton (Alex.), 3,700

tons, 9,940 bgs.;

cumin (Sp.), 221

bgs.; ground nuts

(Aust.), 1,024 bgs.;

(Ch.), 1,050 bgs.;

illipe nuts (S'pore),

1,379 tgs.; soap

ntrs (B'bay), 10 bgs.

Soy (Ch.), 50 cks.

Spices: cassia (Ch.),

1,100 cs.; cloves

(S'pore), 100 cs.;

ginger, 176 cks. 700

cs.; nutmegs

(S'pore), 118 cs.;

pepper (S'pore),

3,865 bgs. (B'bay),

58 bgs.

Starches: farina (Jp.),

1,919.

Wax, bees' (Mor.), 13

bgs. (Sp.) 59 pkts.

Wax, paraffin, 80 bgs.

(U.S.), 445 bgs.

To Liverpool

(Apr. 19 to 26).

Barytes (U.S.), 381

brls. (Sp.), 200 sks.

(Sp), 2,957 bags

(Sp.), 36 brls.

Bronze powder St.

John, N.B.), 32 cs.

Chemical products:

Acetanilide (N.Y.),

20 drms.

Acetate of lime (St.

Drugs, medicines, etc.:
 unrated (U.S.), 2,593
 pkgs.; Fellows' syr-
 up, 700 cs.; bulk
 pills (N.Y.), 40 cs.;
 vaseline, 213 cs.
 Dyes, dyeing and tan-
 ning materials, etc.:
 bark (N.Y.), 26 brls.;
 bark extract (U.S.),
 394 brls.; catechu,
 20 cs. 200 brls.;
 gambier, 3,664 pkgs.;
 hematine cryst., 9
 bxs.; indigo dyes
 (Fr.), 60 cks.; log-
 wood extract (N.Y.),
 100 brls.; sumac
 (It.), 200 bgs.; talc
 (Fr.), 1,427 bgs.;
 tanning ext. (U.S.),
 2,075 brls. 200 cks.
 (W.I.), 396 cks. (Fr.),
 1,719 cks.
 Egg products: yolk,
 134 pkgs.; albumen,
 1,190 cs.
 Glucose, 244 brls.; corn
 syrup (N.Y.), 880
 brls.
 Gums; resins, etc.: un-
 rated (Aden), 248
 pkgs.; acacia (W.C.
 Af.), 126 cs. (Aden),
 50 pkgs.; karaya
 (R'goon), 334 bgs.;
 resin (U.S.), 2,335
 brls.
 Honey (N.Y.), 500 pkgs.
 Lemon-juice, raw (It.),
 20 pps.
 Lithopone (U.S.), 2,487
 brls.
 Oils, essential: un-
 rated (Sic.), 22 cs.
 (U.S.), 99 cs.; cit-
 ronella (R'goon), 13
 crts.; geranium
 (Afr.), 6 drms.;
 lemon (Sic.), 90½ cs.;
 orange (W.I.), 20 cs.;
 turpentine (Fr.), 850
 cks.
 Oils, fixed: unrated
 (U.S.), 6,262 brls.;
 coconut (Cey.), 568
 pkgs.; cod (Newt.),
 844 cks.; (H'fax), 429
 cks.; cottonseed,
 100 brls. (N.Y.),
 2,550 pkgs.; ground
 nut (Ch.), 286 pkgs.;
 olive (Fr.), 36 cs.
 (Sp.), 10 bxs.; sperm,
 320 drms.; palm
 (W.C. Af.), 13,689
 cks.; whale, 300
 drms. (S. Georgia),
 22,015 brls.; wood
 (Ch.), 146 pkgs.
 Perfumery (Fr.), 18
 pkgs.
 Petrolatum (N.Y.), 404
 pkgs. 100 brls.

Resin (U.S.), 13,560
 brls.
 Seeds: casary (Al-
 giers), 435 bgs.;
 cashew nuts, 113 cs.;
 copra, 10,696 pkgs.
 22½ bgs.; cotton
 (Egy.), 2,575 tons,
 3,400 bgs. (W. Af.),
 247 bgs. (E. Af.), 999
 bgs. 3 sks.; ground
 nuts, 17,666 bgs.
 1,454 tons; kola
 (N.Y.), 472 bgs.;
 lin (E.I.), 21,716 bgs.
 (St. John, N.B.),
 2,265 sks.; palm
 kern., 110,735 bgs.
 670 tons
 Spices: cassia (N.Y.),
 525 bks.; cinnamon
 chips, 79 pkgs.;
 quill, 300 pkgs. 85
 bls.; cloves, 35 bls.;
 ginger (Jam.), 133
 pkgs. (Ch.), 425½ bgs.;
 nutmegs, 5 bgs.;
 pepper, 11 bgs.; pi-
 mento, 66 bgs.
 Starches: dextrin, 716
 bgs.
 Tallow (Aust.), 490 cs.
 Wax, bees' (Chile), 121
 sks. 10 bgs. (E. Af.),
 40 hds. (B'bay), 588
 pkgs.
 Wax, candleilla (N.Y.),
 215 bgs.
 Wax, carnauba (Per-
 nam), 133 bgs.
 Wax, paraffin, 165 bgs.
 336 cs. 1,928 brls.
 743 pkgs.
 Wax, unrated (N.Y.),
 1,352 brls.
 Wax, refined (N.Y.),
 300 cs.

To Folkestone

(Apr. 4 to 17).

Chemical products
 (Fr.), 145 pkgs.;
 drugs 56 pkgs.;
 essential oils (Fr.), 7
 cs.; oil unrated (Fr.)
 23 pkgs.; perfumery
 (Fr.), 242 pkgs.

To Hull

(Apr. 7 to 24).

Acetic acid (N.Y.), 461
 brls.; aniline colours
 (N.Y.), 124 kgs. 471
 cs.; dyes, 1,325
 brls.; calcium car-
 bide, 3,582 drms.;
 copra, 92 bgs.; cot-
 tonseed (Alex.),
 6,731 tons, 11,240
 bgs.; drugs (Alex.),
 51 bls.; ginger (W.
 Af.), 12 bgs.; ground
 nuts, 4,957 bgs.;
 kerosene (Alex.), 130

bls.; honey (Aust.),
 516 cs.; lithopone,
 (R'dam), 20 cks.;
 palm kernels, 33,214
 bgs.; sodium bro-
 mide (N.Y.), 44 cs.;
 ammon. 30 cs.;
 sodium cyanide
 (Hango), 100 cs.;
 sumac, 150 bgs.

To Southampton.

Aniline colours (Fr.),
 984 cks.; dyestuffs,
 55 pkgs.; gelatin
 (Fr.), 10 cs.; indigo
 paste, 60 cs.; orange
 peel, 4 pkgs.; vanilla
 (Fr.), 8 cs.
 Chemicals, unrated
 (N.Y.), 16 cs.
 Drugs, unrated (Fr.),
 16 cs.; opium (N.Y.),
 1 cs.

To Manchester

(Apr. 19 to 23).

Chemical products, etc.:
 acetic acid (N.Y.),
 482 brls.; acetate of
 lime (N.Y.), 480 bgs.;
 acetate of soda (N.Y.)
 189 brls.; phosphate
 of lime (N.Y.) 200
 kgs.; ferro-silicon
 (N.Y.), 301 brls.;
 tannin (N.Y.) 20 cs.;
 dyestuffs: unrated
 (N.Y.), 40 kgs.; in-
 digo paste (Fr.), 60
 cs.; logwood ext.
 (N.Y.), 50 bxs.;
 drugs, medicines
 etc.: Fellows' syrup
 (N.Y.), 630 cs.;
 glucose: corn syrup
 (N.Y.), 400½ brls.;
 oils, fixed: cotton
 (Alex.), 1,002 tons;
 palm (W. Af.), 765
 cks. 2,481 kgs.;
 oleo (N.Y.), 200 brls.;
 wax, paraffin (N.Y.),
 500 cs.; paraffin
 scale (N.Y.), 6,429
 pkgs.

To Glasgow

(Apr. 22).

Almonds (Sp.), 80 bgs.;
 barytes (U.S.), 80
 brls.; dextrin (U.S.),
 430 bgs.; dyes, dye-
 ing and tanning ma-
 terials, etc.: dye-
 wood extract (U.S.),
 335 brls.; quercitron
 bark (U.S.), 40 bds.;
 olive oil (U.S.), 40
 brls.; soapstone (It.),
 200 bgs.; tartar
 (Sp.), 10 brls.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Drug-trade Union.

SIR,—I cordially agree with Mr. J. O. Teale (*C. & D.*, April 26, p. 79) that only a craft union can answer the needs of chemists' assistants, but can he be unaware that a live and rapidly growing craft union already exists in the Amalgamated Society of Pharmacists, Drug and Chemical Workers, which admits only those "engaged in the manipulation of and production of drugs and chemicals"? To anything wider I share his objection; anything narrower is foredoomed to the failure that has overtaken organisations of sections only of the craft in the past.

I am, Sir, yours faithfully,

W. MARTIN.

East Sheen.

SIR,—The meeting of chemists' assistants held in Notting-ham (*C. & D.*, April 19, p. 48) is not to be passed over lightly. Imagine it, a meeting to discuss various matters relating to the welfare of the employés! Well attended, including a big contingent of men employed by the associated drug companies, with, so far, no untoward consequences overtaking them. Contrast this with a meeting held some years ago for a somewhat similar purpose. Dire results followed, all the more prominent of those taking part being forthwith sentenced to be dismissed (afterwards commuted in all cases but one). Nowadays, and in circles where you would least expect it, one meets with the phrase, "Remember A. B." and if the matter is carried further you hear of "C. D." and others down to "Y. Z." Since that time, fear and trembling. At work with the threatening sword ready to drop at any moment: distrust of one's fellows, every other man a probable tale-bearer. However, it would appear that times are mending, and it may be that the presence of so many of Boots' managers is a sign that they may now "join up," or combine, without fear of losing their jobs. If this should happen to be so, I would like to make the suggestion that the movement should start from the outside, away from Station Street influences. Late years have amply demonstrated the need of a union, and the loss sustained by the early "cutting off" of the first attempt.

Yours, etc.,

BETA-NAPHTHOL. (134/39.)

SIR,—May we be allowed, through the medium of your paper, to explain our policy in initiating the National Chemists' Assistants' Association? We do not need to emphasise the urgent necessity for organisation at the present time. That is recognised by all. The point of difference is as to the type of organisation best suited to ensure our full and efficient representation on the Industrial Council which is anticipated. We find so many assistants unwilling for various reasons to commit themselves to trade unionism that we feel sure these organisations will not fully represent pharmaceutical employés. We have therefore decided to form an association which we think preferable to a trade union, and which we hope will receive wide support. We aim to secure independent action for our members, and therefore we limit our membership to those who have been, or are, engaged on pharmaceutical work, in contradistinction to the mixed unions which embrace members whose work is not of a pharmaceutical character. Neither the association nor its local branches will be attached to any association of employers, and it will not be affiliated with any political party. By these measures we propose to secure to the members full control of their own affairs. The views of such an association, representing, as we hope it will, a large proportion of the assistants, will, we believe, carry much weight and receive ample consideration without the use of trade-union weapons, which may be but the substitution of one tyranny for another. We appeal to assistants to organise local branches in various large centres as early as possible, and shall welcome suggestions or inquiries with reference to this work.

D. N. FULLERTON,

W. JONES,

G. S. T. LIVESEY.

Sub-Committee of the Manchester and District Chemists' Assistants' Association.

Dealings in Oils and Fats.

The Food Controller has issued a notice revoking the following Orders, namely: The Oil Splitting Order, 1917, the Oils, Oilcakes, and Meals (Requisition) Order, 1917, so far as it relates to crude oils, the Hardened Fat (Requisition) Order, 1917, the Seeds, Nuts, and Kernels (Requisition) Order, 1917, the Oils and Fats (Requisition) Order, 1917, the Home Melt Tallow and Greases (Maximum Prices) Order, 1918, and the Bones (Maximum Prices) Order, 1918. The Minister of Munitions gives notice that he has issued a general licence authorising all persons to deal in any of the seeds, nuts, and kernels, oils, and fats scheduled to the Orders made by the Minister of Munitions on May 1 and 9, 1917.

A new Order has been issued fixing maximum prices for copra, ground nuts, and palm kernels and the resultant crude and refined oils obtained therefrom, as from May 1. Copra is not to exceed 46l. per ton in price, cottonseed 19l., ground nuts 32l., and palm kernels 26l., while the maximum prices for crude oils include the following: Coconut 70l., cotton 60l., ground nut 78l., and palm kernel 52l. Fine refined deodorised oils may be sold as follows: Coconut 82l., cotton (home produced) 75l., ground nut 90l., and palm kernel 64l.; and finished edible cotton oil (home produced) at 71l. When the quantities are between 28 lb. and 1 ton a premium of 9l. per ton on the above prices may be charged. The retail price is 1s. per Imperial pint for any one of the oils, whether crude or refined.

SIR,—The sole reason why a resolution to support a Trades Board was not put to the meeting at Nottingham (*C. & D.*, April 19, p. 48) was because of the lateness of the hour, which caused many to leave before the conclusion. I believe such a resolution would have been carried by a big majority. Mr. Teale does not seem to think much of the 75s. per week gained for qualified assistants by the Shop Assistants' Union in Dublin. Bearing in mind the much lower wages current in Ireland generally it seems to me a very fair minimum. Also "extras" were arranged for, such as 5s. per week extra for an assistant answering the night bell, this incidentally proving that the Shop Assistants' Union officials were not unmindful of the special conditions pertaining to the drug-trade. Mr. Glyn-Jones has succeeded in jockeying the drug-trade into a position that is Gilbertian. I look forward to the future proceedings of the amazing Industrial Council with the same kind of anticipation with which I read "Punch," because I know that nothing that Mr. Glyn-Jones or the Pharmaceutical Council can do will prevent sooner or later employes (both qualified and unqualified) from joining a trades union under their own control and financed solely by themselves. Whether they will join a craft union (favoured apparently by Mr. Teale) or a big general union like the Shop Assistants' with a section for the drug-trade (which I prefer) remains to be seen. But either will be better than the apathy hitherto prevailing. When the employes are well organised and the employers have an association on trade lines (instead of makeshift arrangements like the Local Associations Executive) a real live Industrial Council can be formed with advantage to both parties. In addition to wages, hours, etc., it would be the duty of this Council to take steps to promote the prosperity of the drug-trade, and particularly the hitherto neglected retail side, on which both employers and employes are equally dependent. But until it is possible to form Industrial Councils on orthodox lines it would be much better to have a Trades Board. No decent employer has anything to fear from a Trades Board, and it is quite time that some of the bad employers who apparently think an assistant has no rights except to work long hours at low wages were pulled up sharp, both in their own interests and those of the drug-trade as a whole.

I am, Sir, etc.,

Nottingham. M. W. CHAMBERS, M.P.S.

Registering Apothecaries' Assistants.

SIR,—I have read with some interest the letters that have appeared in the *C. & D.* with regard to the above. Your correspondents mostly ignore the fact that the Poisons and Pharmacy Act, 1908, distinctly provides that not only apothecaries' assistants, but also Army compounders, may be registered without examination, and to my mind it is a scandal that the Council of the Pharmaceutical Society have not years ago made a by-law to carry into effect this provision. In the long run it will prove more helpful than harmful to the Society if such a by-law is made. A recent A.C.I. provides that the Army dispensing in hospitals shall be done by pharmacists, so that Army compounders *per se* will cease to exist, and the class of persons who will register as chemists and druggists, whenever the by-law is promulgated, will be Poor-Law, hospital, and doctors' dispensers. What will be the result of all this? Will this class of person wish to go into business? In ninety-nine cases out of a hundred they will continue in their present occupation, but with this difference—they will then be in favour of these positions being held by qualified pharmacists only, and this will ultimately result in benefit to pharmacy. There is another aspect of the question that should be considered. The Pharmaceutical Council is conservative enough in all conscience, and it may be taken for granted that they would not propose a by-law of this nature unless there was grave reason for so doing. Many persons think some arrangement should be made with the Apothecaries' Society, and others are of opinion that the Minor should be recognised by the medical authorities, and chemists entering the medical profession should not have to take up such subjects as chemistry again. I agree, but the craft generally evidently believes in giving and taking, provided they can do all the taking and none of the giving. How would those chemists practising dentistry like to be compelled to give it up, although this would be to the benefit of those who have passed dental examinations? Legally and morally I think the Pharmaceutical Council should frame a by-law in accordance with Section 4 (b) of the Poisons and Pharmacy Act, 1908, and I believe if they do none of your correspondents' interests will suffer, but that pharmacy will be stronger and better for the Council having done so.

Yours truly,

"AGRICOLA." (135/48.)

SIR,—Doubtless you consider we have now had "q.s." of criticism of the proposed simplifying of the qualifications in pharmacy. Still, I venture to add to my previously expressed opinion endorsement of "A. J. D.'s" remarks (*C. & D.*, April 26, p. 79), and to suggest that the Pharmaceutical Society of Great Britain should seize the present opportunity to rearrange their curriculum to suit the introduction of qualifications similar to those which the younger, but more progressive, Irish Society has adopted. The Apothecaries' assistants might be registered as druggists, and permitted, if desirous, to enter at a reduced fee for the Pharmacists' examination. If they insist on being registered as dispensing chemists without further examination, I would suggest that the General Medical Council should, *honoris causa*, confer the physician's and surgeon's diploma on all pharmacists who have been in practice for, say, a period of over five years.

Liverpool.

HY. C. MEYRICK (M.P.S.I.).

The Council Election.

SIR,—The figures of Mr. Chas. Hamus (*C. & D.*, April 26, p. 78) are startling, and he may well ask if it is apathy or despair which keeps so many from showing any interest in their own affairs. I am inclined to think it is also overwork in many cases, and that all of the craft should be visited by someone from "the seats of the mighty," local secretaries supplying names of men who never join in any meeting or movement. With regard to the Council election, where is the representative of the rural chemists? Surely no one forgets the great wrong over panel dispensing—I allude, of course, to the one-mile limit—and yet I cannot find a rural champion. The question is, if one did arise, would some of the non-voting 75 per cent. wake up and support him?

Teynham.

Yours faithfully,
R. GILBERT EACOTT.

A Pharmaceutical Athlete.

SIR,—I was sorry to notice in the *C. & D.* (April 26, p. 57) that Mr. A. L. Wood, of Stonehaven, is in ill-health, and sincerely trust he will soon be restored to his normal condition. His name takes me back many years to the time when he and I indulged in friendly rivalry on the cricket-field. He was then captain of the Thistle C.C., Stonehaven, and I occupied the same post in the St. Laurence Club, Laurencekirk, while in county games we both played for Kincardineshire against the other Scottish counties. Mr. Wood excelled in all the forms of sport he went in for. As a cricketer he was a first-class batsman, a splendid bowler, a good wicket-keeper, and a brilliant fielder. He not only played for Scotland in the International match against the Australians, but on that occasion "came off" with both bat and ball. In Rugby football he proved himself to be a very fine full back, and a great sprinter. Your mentioning golf reminds me that he carried off the championship in the North of Scotland competition. To sum up, my old friend A. L. Wood was the best all-round athlete in pharmacy I have ever met, not excepting Mr. Wride, of Southampton, who, in my opinion, wants some beating.

Yours faithfully,

A. R. KEITH.

London.

The Etymology of "Chemist."

SIR,—As "Xrayser II." "must continue to prefer" the "authority" of the New English Dictionary "to that of your anonymous correspondent," it is strange that he fails to make himself acquainted with the contents of that work. Because I called the derivation of "chemist" from *χημεία* a "recognised false etymology," your contributor attacked me with a vigour which suggested that he thought he had finished with me once and for aye. It "is not now," he declared, "recognised as a false etymology by the most eminent of our philologists" (*C. & D.*, April 12, p. 57), and, since I still refuse to recant, he stigmatises me as "so perversely wrong"! Well, the late W. W. Skeat was one of the most eminent philologists of his day, and he thought the word had been "probably confused with *χημεία*, a mingling" ("A Concise Etymological Dictionary," ed. 1901, p. 11). Probability, however, does not enter into the opinion of your contributor's pet "authority," the N.E.D., which declares emphatically that "it was afterwards etymologically confused with the like-sounding *χημεία*, pouring, infusion . . . which seemed to explain its meaning." What these passages can signify to "a plain man who makes no pretence of learning," except the recognition of *χημεία* as a false etymology, I do not know. "Xrayser II." has got a pernicious habit of quoting authors at second-hand without reading them.

Yours truly,

L. (134/13.)

Subscribers' Symposium.

Drug-trade Warning.

Mr. Walden, of Walden, Walden & Co., wholesale and export perfumers, 89 Great Portland Street, London, W. 1, informs us that a man who gave the name of "Collins" visited him a week or so ago stating that he was on the staff of THE CHEMIST AND DRUGGIST. He informed Mr. Walden that he was very hard up, but that he was starting work with us on Monday after being demobilised. He is described by Mr. Walden as being fairly tall, clean shaven, with hair turning grey, and his general appearance was not very reputable. Mr. Walden gave the man 2s., which he promised to repay in a few days. Needless to say, nothing more has been heard of him. The man is a fraud, and has no connection whatever with THE CHEMIST AND DRUGGIST.

Legal Queries.

G. F. M. (129/9).—DENTAL LEGISLATION.—In the circumstances you mention we think you should place yourself in communication with Mr. Benson Harries, 84 Commercial Road, Newport, Mon., Hon. Secretary of the Chemists' Dental Society. When the time comes for action this Society will look after the collective interests of its chemist members who practise dentistry.

J. E. F. (129/41).—CARRYING ON A DECEASED CHEMIST'S BUSINESS.—Section 16 of the Pharmacy Act 1868 states that "upon the decease of any pharmaceutical chemist or chemist and druggist actually in business at the time of his death it shall be lawful for any executor, administrator, or trustee of the estate . . . to continue such business if and so long only as such business shall be *bona fide* conducted by a duly qualified" chemist. There has been no legal decision as to how long an executor can continue to carry on the business under this section.

W. D. J. (124/24).—EARLY CLOSING.—By Section 5 (4) of the Shops Act, 1912, a closing order for shops cannot apply to any shop in which the only trade or business carried on is "the sale of medicines and medical and surgical appliances," from which it follows that these classes of goods can be sold after hours subject to conditions laid down by the Home Office or the local authority. The Early Closing Regulation under the Defence of the Realm Act also contains an exemption in regard to the sale of "medicine or medical or surgical appliances" so long as the shop is kept open and lighted only for such time as is necessary for serving the customers.

G. A. P. (122/72).—NEW BUSINESSES.—As a rule licences are freely given to persons who desire to open new businesses. The points upon which the Ministry of Labour require to be satisfied are whether the proposed new business would injure one of the same class that is being carried on for a person who is absent on military duties, or is handicapped by the absence of a serving member of the family. Inquiries to this end are made by an investigator, who reports to the local Advisory Committee, and upon their recommendation action is taken by the Minister of Labour through the district official. The question of trade competition in other cases is not taken into consideration.

H. B. (117/2) has taken out a National War Bonds endowment assurance policy on his own life (payable in seven years), dated December 1917 and January 1918, and wishes to know whether, in making out his return for income-tax purposes, he is entitled to deduct the whole of the yearly premium, or, if not, what percentage? [It depends on the amount of the annual premium and also on the total income. The rule is that the annual premium may be deducted up to, but not more than, one-sixth of the total income; and, as a special concession due to the war, if the income assessed in any year is less than the income for the year ended April 5, 1914, the income for the latter year is to be taken for the purpose of calculating the one-sixth which may be deducted. There is a further limitation of the deduction which may be made in respect of insurance premiums, made by a recent Act in this way: A person may not deduct (a) in respect of any premium or other payment on a policy for securing a capital sum on death (whether in conjunction with any other benefit or not) beyond 7 per cent. of the capital sum assured; and (b) in respect of any premiums or payments for securing any other benefits, more than 100% in all. But in calculating this deduction no account is taken of any sum which may be payable to the assured otherwise than on the death of the assured person.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. S. (104/53).—YEAST EXTRACT is made by washing yeast with water till the washings are colourless and free from odour. The yeast is then covered with three parts of boiling water and heated for fifteen minutes on a water-bath until a homogeneous mass results. Filter and treat the residue again with one part of boiling water; filter and evaporate the mixed liquids to an extract.

Anxious (91/39).—If the case to which you refer is really one of CHRONIC RINGWORM of the scalp which has resisted all the usual remedies, the only thing remaining is x-ray treatment, which in skilled hands is a certain cure.

T. B. & F. (90/10).—TETRA-ETHYL AMMONIUM HYDROXIDE is a substance which occurs in colourless hygroscopic crystals. The chemical formula is $N(C_2H_5)_4OH$ or $C_8H_{21}NO$. It has no short name, so far as we are aware. A 10-per-cent. solution is employed in doses of 5 to 20 minims in rheumatism and uric acid diathesis.

Gully. (118/49).—The symptoms of which you complain may be due to flat feet, or, on the other hand, may simply be due to constant standing, associated with constipation and want of active exercise. An exact diagnosis is impossible without an examination. You should consult a reliable physician.

Argent (131/63).—RECOVERING SILVER FROM "HYFO" BATHS.—Potassium sulphide (liver of sulphur) is added to the solution in excess, the precipitated silver sulphide is allowed to settle, collected, and reduced to the metallic state under the blowpipe or in a crucible.

H. L. (125/28).—TO BECOME AN ANALYST.—We gave an outline of the steps that should be taken by those who desire to become analytical chemists in the *C. & D.*, 1913, p. 674. You should make inquiries at your local technical institute as to the course of study that is provided for those who desire to take up chemistry as a profession.

L. W. (133/14).—FLY-GUM FOR STICKY FLY-PAPERS.—The following recipe for fly-gum is from "Pharmaceutical Formulas," and represents the general composition of this product:

Thus and amber resin, of each	3 lb.
Castor oil	2 lb. 12 oz.
Viscum	4 lb.

Melt and apply hot.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," May 15, 1869.

Pharmacy Act Amendment.

The Pharmacy Act (1868) Amendment Bill, brought in by Lord Robert Montagu, passed through committee on April 29. The principal clause, as amended by the Lord Advocate, provides that nothing contained in the first fifteen sections of the recited Act (those referring to the rules for keeping, dispensing and registering the sale of poisons) shall affect any person who has been registered as a legally qualified medical practitioner before the passing of this Act; and that the said clauses shall not apply to any person who may hereafter be registered as a legally qualified medical practitioner, and who in order to obtain his diploma for such registration shall have passed an examination in pharmacy. A second clause in the Bill removes the grievance under which assistants have laboured, by declaring that any three years' service as assistants to chemists and druggists prior to the passing of the Act of 1868 shall be deemed sufficient to entitle them to present themselves for the Modified examination. In the original Bill it was necessary that they should have served the specified three years immediately prior to the Act passing. The time for making application to be registered is to be extended to December 31, 1869. In exempting all registered medical practitioners in Great Britain from the operation of the Act, the Bill simply gives definite expression to the intentions of the authors of the original measure. The altered conditions under which assistants may present themselves for the Modified examination will probably be generally accepted as satisfactory. The Bill will probably become law without any further change.

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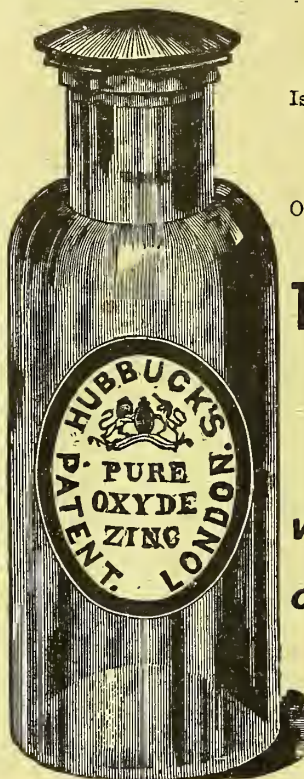
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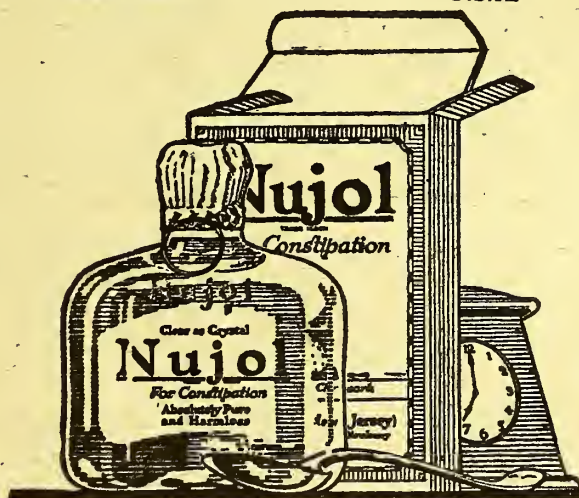
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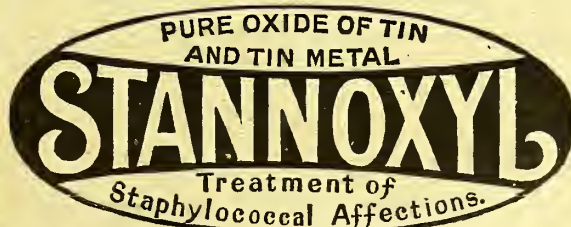
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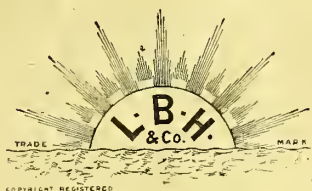
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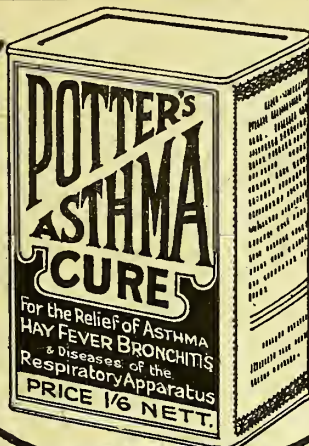
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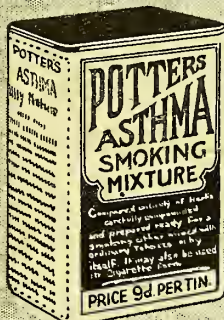
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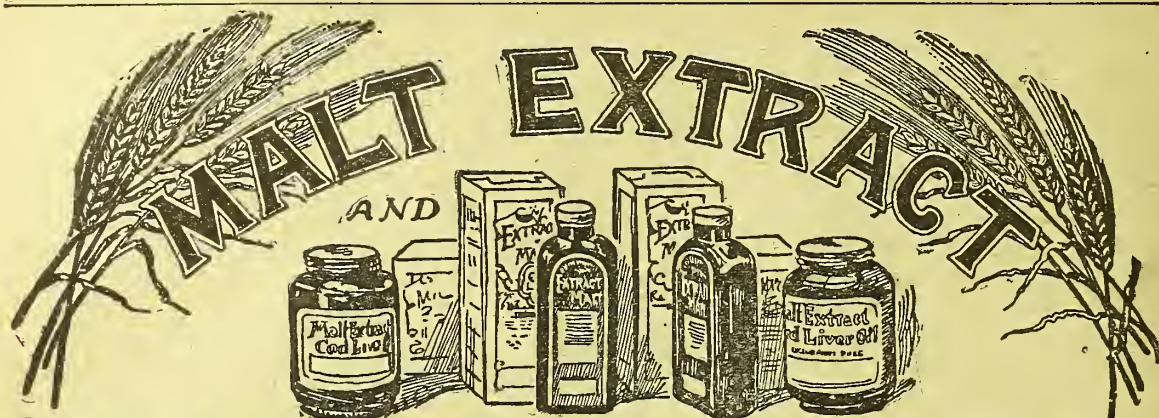


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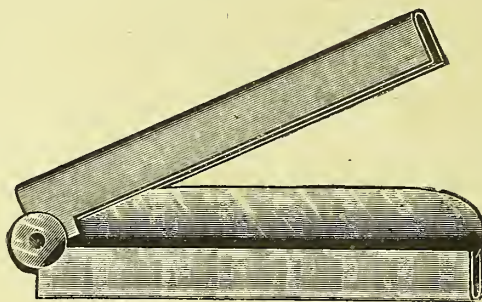
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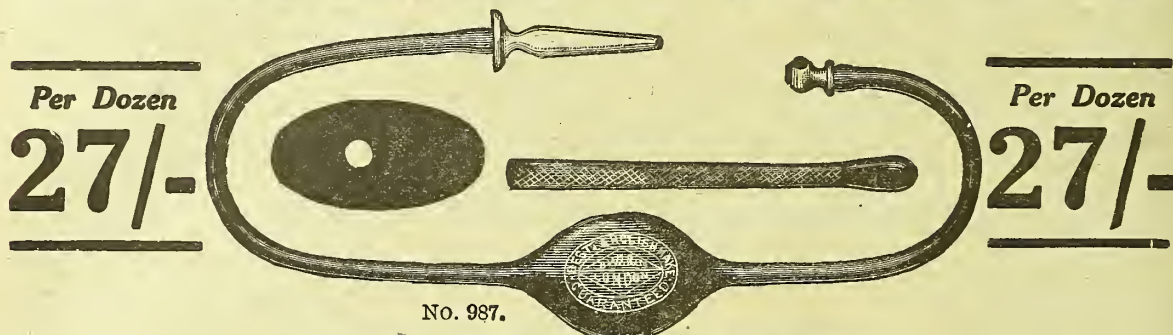


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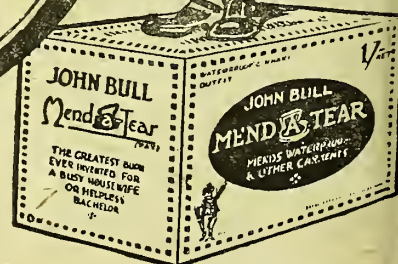
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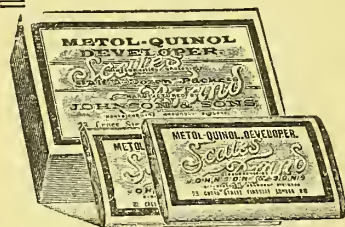
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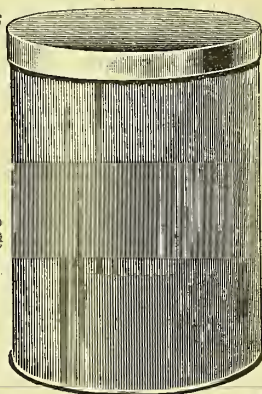
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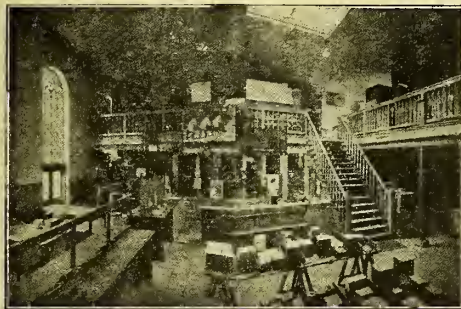
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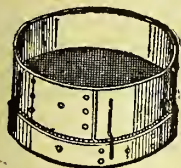
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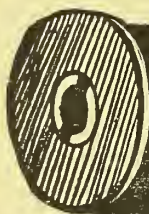
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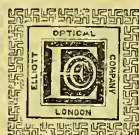
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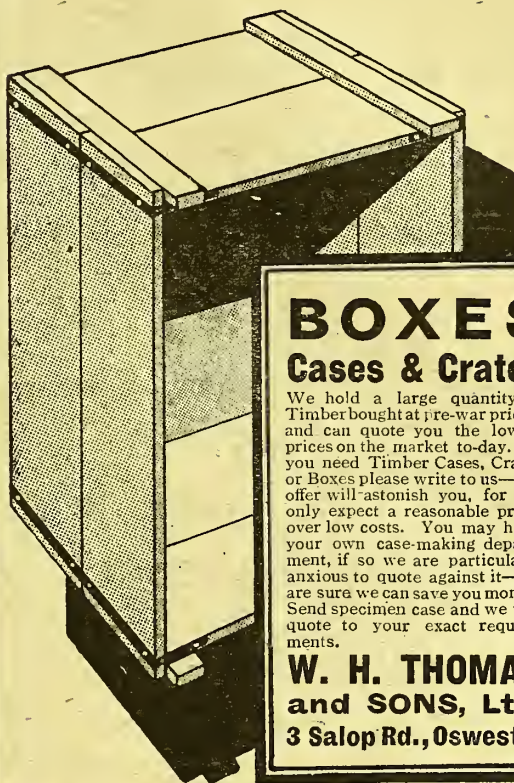
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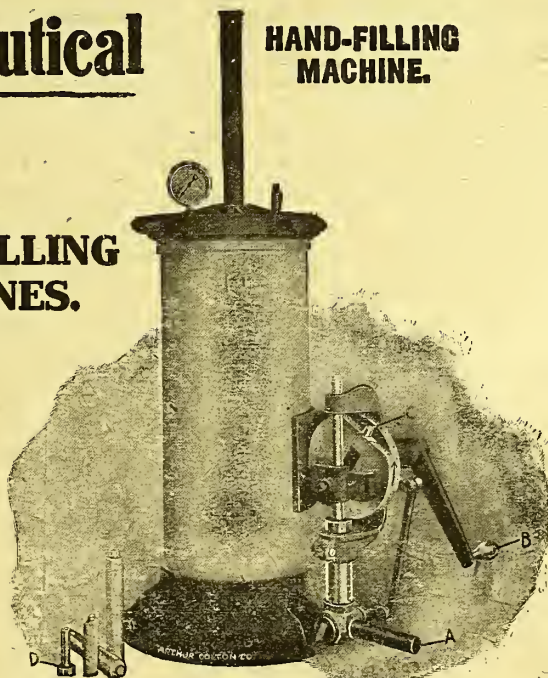
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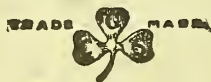
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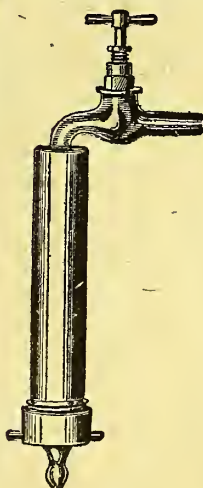
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EUSALINE is Retailed at 2/- per bottle, Wholesale price, 18/- per dozen. Discount 15% and Carriage Paid on £5 orders. Can also be had in boxes containing 12 packets, to retail at 14d. per packet, and 1/6 per box. Wholesale price, 12/- per gross. Discount 15%, plus bonus, according to quantity ordered. Carriage Paid on £5 orders.

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ESTABLISHED 1860.



DISTINGUISHABLE FROM ALL OTHER PREPARATIONS BY ITS GRANULAR FORM WHICH ENSURES A DEGREE OF MEDICINAL ACTIVITY AND FRESHNESS HITHERTO UNOBTAINABLE.

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Manufacturers
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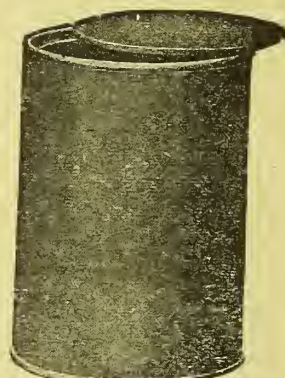
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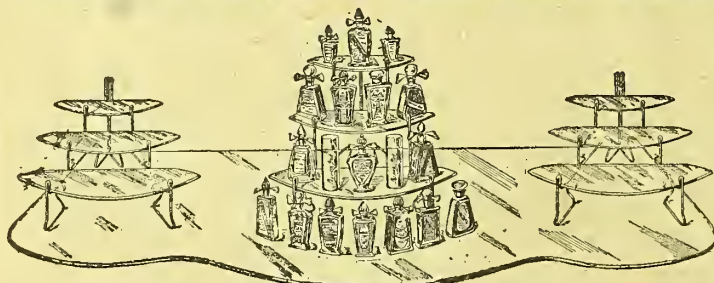
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Send for Booklet, which will tell you all about it.

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IN ALL SIZES & METALS

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ELSWAL Composite Canisters or Food Containers

Be prepared for the future and get in touch with us at once. Earthenware and glass jars are almost unprocureable now, but shortly they will be impossible to obtain at anything like the price of Composite Canisters, owing to the increase in the cost of coal. We can fill your demands, and by doing so help to more than compensate for the increase in fuel, gas, electric city, etc., and all your works' expenses.

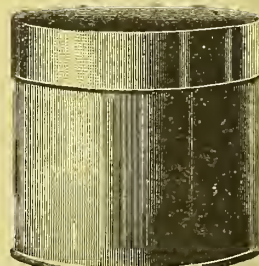
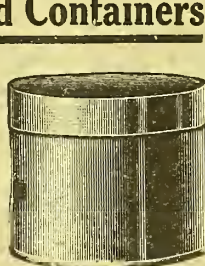
Our Canisters have the following indispensable advantages:

1. They abolish bottle-washing plants.
2. More hygienic.
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5. Lighter than other packages.

1 doz. earthenware jars weigh
17 lb. to 18 lb.; 1 doz. 2-lb.
Elswal Canisters weigh 2½ lb.

Write for particulars.
Your inquiries are solicited.

Manufacturers of Food Containers: Tin Boxes, Travelling Equipment, Office Appliances.



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CARDIFF.—C. A. Barlow 3 Pen-y-wain Road.

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All Tested, Guaranteed 100 % Efficiency, and extensively advertised in gardening and farming journals.

BELUMNITE (Dry Death) in Tins. The "Mysto Belumnite" system of dealing with insect pests promises to revolutionise spraying.

BELUMNITE is a high potency insecticide, but harmless to plant life. It is applied by means of a Mysto Powder Sprayer, when it will penetrate the foliage like smoke, reaching the curled-up leaves in a way which cannot be done with liquid sprays. It is self-adhesive to the foliage and to all forms of blight, and continues to kill for some days after being applied.

BELUMNITE destroys Apple Sucker, Capsid (Ligust Bug), all forms of Aphid Blight on black currants, beans, cabbage and sprout plants, etc. American Blight, Hop Flea and Red Spider, Caterpillars, Ants, Woodlice, Slugs, Snails, Green Fly on rose trees, and all insect Pests. Write for booklet on the Mysto Belumnite System of Dry Spraying.

No. 1 Size Tin, 2/9 No. 2, 5/6 No. 3, 10/6 each.

MYSTO ANTI-BLIGHT POTATO DRY SPRAY. A ready means of checking the spread of the spores causing potato disease. Highly recommended where a knapsack sprayer is not at the disposal of the small grower, or difficulty is experienced in securing an adequate water supply. The powder can be applied by means of a Mysto Powder Knapsack, which are quite suited for use on potato plots up to half an acre. For larger acreages a Mysto Powder Knapsack is recommended.

No. 1 Packet, 1/6 No. 2, 2/9 No. 3, 7/6 No. 4, 10/6 (suitable for half an acre).

Equally useful for preventing disease in Tomato Crops, whether grown under glass or outdoor.

MYSTO SULPHO DRESSING for Strawberry and Onion Mildew. The damage to onions, strawberries and other crops due to "Mildew" has been long recognised by all growers, but little effort has been made to check this widespread mischief. Fine sound strawberries can be grown, free from any trace of mildew, by use of Sulpho Dressing, applied when the crown begins to form just before blossoming.

7 lb., 5/6 14 lb., 8/6 28 lb., 14/6 56 lb. 20/- 112 lb 36/-

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MYSTO INSECTICIDE. A Non-Poisonous Insecticidal Wash for Garden and Greenhouse use. Success in dealing with insect pests in both Flower and Vegetable gardens is dependent on two factors: (1) The choice of insecticide, (2) overcoming the hardness of spraying water. Mysto Insecticide is non-poisonous, harmless to plant life; it can, therefore, be used without risk on garden produce, etc. Mysto Insecticide is an ideal wash for Rose Blight, Caterpillars, and all forms of Green Fly, Red Spider, and all insect pests. The strongest, best and cheapest.

Pints, 2/- Quarts, 3/- 1/2-Gallon, 5/- 1 Gallon, 8/6 each.

W. T. FRENCH & SON, "Mysto" Works, St. Mary Street, Ladywood, BIRMINGHAM.

Telephone: No. 364 Edgbaston.

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Mr. SUCKLING, Chemist, Linton, writes:—"I should like to take up agency for your 'Rodine.' I have been selling other makes, but obtained a few tins of your 'Rodine,' and find that it sells far better, and customers speak more highly of it than other makes."



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'Rodine' is extensively advertised in the leading agricultural papers. Agents are advertised and supplied with attractive literature.

The Right Weapon for the Rat War.

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SPECIALITIES. — Gums Arabic and Tragacanth as imported or finely powdered.**PRECIPITATED CHALK.**

Lightest and Whitest, also Purest Dense.

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FOR COLOURING GREY HAIR

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Trial size 6d., per post 10d. A medium, 1/- per post 1/6. Large, 3/6, per post 1/4. 6d. size, 6/- doz.; 1/4 size, 12/- doz. 3/6 size, 33/- doz.

THE SHADEINE CO., 58 W STBOURNE C OVE, LONDON, W.

**CACHETS "FINOT"**

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With inscriptions in any desired tint: also Plain or Embossed.

"Beautifully made and the inscriptions give them a distinction all their own." — L. & D.

"Perfection of Cachets" — Lancet.

These Cachets are especially adapted for Headache, Neuralgia and other powders.

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In 17 Sizes, to fit the various types of Cachet Machines

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Cheapest Makers of Co-efficient Acids and Fluids

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SOLID FACE POWDERS

COMPLETE WITH PUFFS.

Inquiries invited by makers.

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The Best Quality.**RUBBER BATHING CAPS**ROUND ... 16/8 per dozen.
HELMET ... 24/- "

Assorted Colours.

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The World-famed Enamel for Grey & Faded Hair. Absolute, safe and natural.

3/6 size, 37/- doz.; 6/6 size, 68/- doz.;
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Largely Advertised. Ask your Wholesaler.

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Notwithstanding the shortage of supplies, we are still in a position to supply all orders and guarantee our preparation to be exactly the same as pre-war recipes. Own-named brands a speciality. Largest profit, and most reliable Hair Dye yet produced.

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Wholesale and Export only.

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of 6 dozen and 1 dozen 6d. packets, along with full advertising matter for window? Carriage Paid to your address. Sales are immediate direct.

4/ PER DOZ.
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6d**Quin Quenna**
is shown because it is the subject of a big and clever campaign embracing all best media.**43%**PER PACKET. **CHRISTY'S** Old Swan Lane, London, E.C. 4.**FOR SALE.****HARD WHITE BLOCK.**

10 cwt. Redistilled STEARINE, 120/122 M.P.

3 tons NEUTRAL FAT - 126/128 M.P.

190/- per cwt., or nearest bid.

Box 236/34, Office of this Paper.

A PROFITABLE PROPOSITION.**"FLUZO" POWDERS**

(Trade Mark, Registered).

For Headache, Toothache, Neuralgia, and Rheumatism.
Sold at 1/3 per box of 12 powders. 1 loose at 2d. each; two for 3d.Advertising matter with all orders and Bonus for Window Shows.
Send for Price List and particulars.**A. S. PRICE & CO., LTD., Blackheath, Birmingham.**

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GLEDHILL Tills have been almost unprocurable during the war. We decided that it was more important to win the war than make cash tills, so turned our works over to the production of fine accurate munition work. Our experimental work was also turned over to war purposes, and early in 1917 Mr. A. H. Gledhill invented the Bomb-releasing Gears which are now standard on British Aeroplanes. We have manufactured enormous quantities of these gears. Our plant has been considerably augmented, and we are consequently enabled to make the Best Cash Till Better Still. We thank our customers for their patience, and are now endeavouring to clear off arrears of orders at full speed.

Order now to secure delivery immediately after
the arrears in our books have been cleared.

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SHOWCASE
**QUICKLY EARNS
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Try One!

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MORE TRADE**

An attractive shopfront enables you to display your goods to better advantage and so more easily catch the eye of the passer-by.

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Think it over.

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PRICES & TERMS ON APPLICATION.

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*All goods of best quality and finish
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Manufacturers of the "Stowaway" Suspensory Bandages, Cotton or Silk, and over 100 other patterns. (Wholesale only.)

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TRADE NOTICE.

JULY 31st, 1918.

At the request of a large number of Chemists throughout the Country we have decided, from the above date, to fix the retail prices of PHOSFERINE, and all our other Proprietary Medicines, at face value, viz.:

1/3, 3/-, 5/- and 12/-

The Wholesale Prices will be as follows:

1/3 size	-	-	12/-	per doz., net.
3/-	„	-	30/-	„ „
5/-	„	-	48/6	„ „
12/-	„	-	114/-	„ „

Against the conditional £5 worth of Phosferine being taken, a bonus of 10/6 will be allowed for a Phosferine Window Display of not less than 14 days.

**ASHTON & PARSONS, Ltd., La Belle Sauvage, Ludgate Hill,
LONDON, E.C. 4.**



HAWLEY'S I. K.

P.A.T.A. 4d., 8d., 1/3, 2/8
2/8, 5/4, 10/-, 36/- doz.

The effective Insect Killer

HAWLEY'S I. K. is advertised in the leading newspapers, journals and magazines of the British Isles, and on railways and tramcars. Order now and prepare for the public demand.

For an order of 12 dozen assorted and a window display we give a bonus of 1 dozen free. For a £5 order we give, in addition, a discount of 5%. These exceptional terms give a profit to the retailer of 71% on cost.

Evans Sons Lescher & Webb Ltd.
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Advertisements for this Supplement must be received not later than First Post on Thursday Morning.

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Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—KENT (Distant Suburb).—Dispensing and Retail Business; corner position in main thoroughfare; returns exceed £3,000; net profit between £850 and £900; large and comfortable residence; price about £1,900.

2.—WEST END (10 Minutes from) Dispensing and Retail Business; vendor retiring; returns between £2,000 and £3,000; net profit over £700; well-appointed and large residence; new lease; price £1,500, or valuation to suit.

3.—PADDINGTON.—Old-established Dispensing and Retail Business; Dispensing and Retail; position unique; returns upward of £2,500; profits good; large residence with private entrance; price about £1,050.

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5.—LONDON (Northern Suburb).—Good middle-class Business, chiefly ready money; returns upwards of £2,000; attractive well-fitted shop; capital residence; vendor's own property; price about £1,000.

6.—LONDON, N.—Ready-money Business; corner position, in shopping thoroughfare; returns, under assistant, £17 weekly; ample scope for extension; rent £60; set at £85; held on lease; price £300.

7.—LONDON, N.—Ready-money Business; returns, present rate, £2,000; net profit 25 per cent.; rent £60; new lease; price £850.

8.—LINCOLNSHIRE (Market Town).—Brisk Retail Business; returns between £8,000 and £9,000; net profit for three years £1,147 yearly; large premises; vendor's own property; terms, valuation and sum for goodwill to be agreed.

9.—GLOUCESTERSHIRE.—For immediate disposal for less than the value of stock and fixtures, good-class Retail and Dispensing Business, returning between £1,200 and £1,300, with scope for extension; large residence; rent £55.

10.—YORKSHIRE COAST.—Wholesale Business in Druggists' Sundries, etc.; turnover last year £11,000; good profits; excellent opening for two energetic men; part payment would be considered; open to the fullest investigation.

11.—KENT COAST (Popular Health Resort).—Established Business; Retail and Dispensing; returns £900; rent £45, which includes comfortable residence; price £550.

12.—LANCASHIRE (Popular Health Resort).—Cash Retail Business; good position; returns £3,500; net profit £900; the turnover might be materially increased under qualified management; further details on application.

13.—HOME COUNTY.—Unopposed Business, comprising good-class Family trade with general county Retail; returns average £1,200 per annum; net profit approximately £300; comfortable residence; rent £40; held on lease; price £600.

14.—MIDLANDS.—For immediate disposal, an established Business, Wholesale and Retail, situate in centre of large manufacturing town; returns over £8,000; good profits; rent £60; large house; price about £3,000.

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Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone Profit the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

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PHARMACIST requires Business in London (with house attached preferred), with scope for increase; cash available £300; larger one would be entertained if part of cash remain; please give full particulars of Business, locality, competition, which will be treated in strict confidence; Managers' succession would be entertained. "Alp" (136/20), Office of this Paper.

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WANTED, unopposed Village Business, with scope for Side Lines; house with garden preferred. Full particulars (in confidence) to "Rex" (135/24), Office of this Paper. (First time advertising.)

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ADVERTISER, fully experienced in the practical manufacturing processes of Creams, Dentifrices, and all Toilet Requisites, and Medicinal and B.P. preparations, is desirous of meeting someone with a sound knowledge of the business and markets; preferably one with a small capital or the nucleus of a connection capable of expansion for home and export trade; communications will be treated with utmost secrecy. Reply to "E. M. D." (127/39), Office of this Paper.



HAWLEY'S I. K.

P.A.T.A. 4d., 8d., 1/3, 2/8
2/8, 5/4, 10/-, 36/- doz.

The effective Insect Killer

HAWLEY'S I. K. is advertised in the leading newspapers, journals and magazines of the British Isles, and on railways and tramcars. Order now and prepare for the public demand.

For an order of 12 dozen assorted and a window display we give a bonus of 1 dozen free. For a £5 order we give, in addition, a discount of 5%. These exceptional terms give a profit to the retailer of 71% on cost.



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Evans Sons Lescher & Webb Ltd.
Liverpool. New York. London.



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—LONDON, N.—Ready-money Business; returns, present rate, £1,000; net profit 25 per cent.; rent £60; new lease; price £850.

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VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone Profit the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

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ADVERTISER is open to purchase for cash a sound Retail Business in Lancashire or Yorkshire (West Riding), with a turnover of not less than £2,500 per annum; shop with living accommodation preferred but not essential. Full particulars in confidence to 129/34, Office of this Paper.

ADVERTISER, Pharmacist, is open to purchase sound, good-class Business; capable of expansion; turnover £2,000 or more. Full particulars, to be treated in confidence, 133/22, Office of this Paper.

E. RAILWAY, Main Line from London to Norwich.—Wanted, Business, situated on above Line, or good connection with same, with scope for increase. Give particulars of earnings, expenses, and approximate price to "N.C.O." (82/5), Office of this Paper.

PHARMACIST requires a Business; London or country; returns £800 to £1,500. Full particulars (in confidence), "Gill" (5/39), Office of this Paper.

PHARMACIST requires Business in London (with house attached preferred), with scope for increase; cash available £300; whether one would be entertained if part could remain; please give particulars of Business, locality, competition, which will be treated in strict confidence; Managership with view to early succession would be entertained. "Alpha" (136/20), Office of this Paper.

WANTED, a Business in North or Midlands worth about £500 to £700; one with scope for increase essential. Apply 131/25, Office of this Paper.

WANTED, to purchase for cash, a steady working-class Business in London showing a living profit; full particulars in confidence. Apply 124/35, Office of this Paper.

WANTED, unopposed Village Business, with scope for Side Lines; house with garden preferred. Full particulars (in confidence) to "Rex" (135/24), Office of this Paper. (First time advertising.)

WANTED to purchase, a good or high-class Retail and Dispensing Business in pleasant district, returning up to £2,000 per annum, with good profits and room for development; good house essential; Southern or Home Counties, or Northern Suburb, preferred; please give full particulars in strict confidence. "M.P.S." (136/15), Office of this Paper.

£10 BONUS.—Hospital Dispenser, having spare time and capital, desires to establish small postal business; above bonus paid for really clever suggestion if acted upon; all likely replies considered and answered; or might join another, having little capital and similar desire. Apply 132/30, Office of this Paper.

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ADVERTISER, fully experienced in the practical manufacturing processes of Creams, Dentifrices, and all Toilet Requisites, and Medicinal and B.P. preparations, is desirous of meeting someone with a sound knowledge of the business and markets; preferably one with a small capital or the nucleus of a connection capable of expansion for home and export trade; communications will be treated with utmost secrecy. Reply to "E. M. D." (127/39), Office of this Paper.

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4.—LONDON, S.E.—Sound Cash Retail and Prescribing, with N.H.I., in working-class district; returns under Manager £2,000; net profit £600; eight-roomed house; low rent; well stocked; price for quick sale £600 cash.

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6.—LONDON, S.W.—Good-class Retail and Dispensing Business, increasing; returns, over £1,100; net profit £330; good house; well fitted and stocked; price £500.

7.—LONDON (Western Suburb).—Light Retail Dispensing and Photographic Business; returns over £1,350; net profit, about £500; large handsomely fitted shop, fully stocked; price £800, or £100 and valuation; trial can be had.

8.—LONDON, N.—Light Family Retail and Dispensing, with good Optical connection; returns £1,400, increasing; net profit about £400; well fitted and stocked; small house; price £750, or near offer; recommended.

9.—LONDON (Essex Suburb).—Profitable Light middle-class Cash Retail, practically unopposed; returns about £1,500; net profit £436; books properly kept; well fitted and fully stocked; price £500.

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We are in immediate want of sound concerns, returning up to £3,000, in town or country, especially South Coast, Midlands, and North; cash buyers waiting. Intending vendors are cordially invited to correspond. Terms sent on application. Established 1870.

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FACTORY Premises, near London Bridge; 4 floors, 27 ft. x 26 ft.; rent £70 per annum; unexpired lease 13 years for Disposal; price £200; suitable for Chemical Manufacture. Apply 135/340, Office of this Paper.

FOR Sale, Second-hand Toilet Soap Plant; makers, Wallois, Paris. Evaporating Apparatus, 5 ft. long x 3' 2" diameter, with copper condenser 5 ft. long x 15" diameter, with belt-driven vacuum pump. Apply Jarvis & Co., Scotia Chemical Works, Coatbridge.

FOR immediate delivery, about 40 lb. Pernanganate of Potash; also 10 lb. Prussiate Potash; what offers? Write "Potash" (129/26), Office of this Paper.

FOR Sale.—Complete Fittings and Stock of high class Chemist's Shop, including mahogany Counter, glass Showcases in front, Drawers at back, Dispensing Screen, Desk, and Showcase, Wall-cases and Shelves, Mirror back, Shop-rounds, Carboys, Drugs, Chemicals, Optical Stock and Fittings, roll-top Trial Case, good class Microscope by Swift & Sons. Apply 78 Upper Tulse Hill, Brixton, S.W. 2.

INEST Drawers and Cupboard, consisting 60 Drawers, Glass Labels and Knobs, 15' 6" x 3' 9"; 6 Lockers; 88 Gold Labels Bottles; 10 Blue Ointment Jars; 1 Hanging Show Carboy. Apply 127/38, Office of this Paper.

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Catalogues, price 3d. each, may be obtained of Mr. Louis Tredinnick, F.A.I., 199 Piccadilly, W.; the Navy and Army Canteen Board, 204 Tower Bridge Road, S.E. 1, and Clarence Parade, Southsea; and of Messrs. Hall, Pain & Goldsmith, 57 Commercial Road, Portsmouth, and at Fareham and Petersfield.

BUSINESSES FOR DISPOSAL.

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BIRMINGHAM.—Old-established Mixed Light Retail and Dispensing with good own Proprietaries; suit qualified Drug Store Manager anxious to commence business on own account or make excellent Branch look-up; rent £35, lease; main thoroughfare; Pharmacist owning premises retiring; no near opposition; takings £20 weekly; fullest investigation. Apply 132/40, Office of this Paper.

CORNWALL.—General Light Retail with good Proprietaries; middle and working class trade; returns between £900 and £1,000; all cash. For full particulars apply "Alpha," c/o Southall Bros. & Barclay, Ltd., Transfer and Valuation Department, Birmingham.

DEVON.—To Let or for Sale (immediately), Chemist's premises; Fixtures, Counter, etc.; splendid corner position on main road; no opposition in a thickly populated district; good opportunity for an energetic man; sale due to death of proprietor; genuine opportunity worth investigation. Apply "F. H. W." (131/36), Office of this Paper.

ESSEX (three-quarters hour City).—For Sale owing to death of well-established Business in very nice residential district; no near opposition. Apply J. W. Gallagher, 44 High Street, Brentwood, Essex.

KENT.—For immediate disposal, very old-established southern country Business; healthy situation; vendor leaving trade; every investigation invited. Full particulars from "L." (137/3), Office of this Paper.

KENT.—Delightful situated Dispensing, Light Retail, and Photographic business; returns for last year £1,303; opposition for three miles; rent £40; price £750. For full particulars apply "Radix," c/o Southall Bros. & Barclay, Ltd., Chemists' Valuers, Birmingham.

LEEDES.—Two good Businesses in working-class neighbourhood established over 50 years; owner after retiring had to leave Management on account of staff called up; would consider working partner or any offer of purchase for one or both; bona fide inquiries dealt with. Apply 133/3, Office of this Paper.

LONDON.—Chemist's Business in good working-class district; small, compact, double-fronted shop in main thoroughfare, with house attached; suitable as residence or letting off; showing good, profitable returns in Retail and Insurance Dispensing; price £500, about value of Stock and Fixtures. Further particulars, "Salvolatle" (134/35), Office of this Paper.

LONDON, S.W.—A middle-class Retail Cash Business, showing a net profit of over £540 a year and steadily increasing; price £600 to a suitable man; it is worth immediate attention, and can be greatly increased; every investigation will be allowed bona fide purchaser; satisfactory reasons for disposal. Apply "Genuine" (132/32), Office of this Paper.

LONDON, W.—For disposal, proprietor retiring, an old-established Business; 35 years in present hands; returns between £600 and £700; full prices; good house, low rental; could be much increased under energetic management; small mental practice attached optional. Apply "Alpha" (131/39), Office of this Paper.

MANCHESTER.—For Sale, large double-fronted Shop; main road; Mixed Retail, Prescribing, and N.H.I.; profitable; tenants few; genuine buyers only. Apply 136/13, Office of this Paper.

NORTH WALES.—Good-class old-established Light Retail in seaside resort; turnover last year exceeded £1,200; increasing yearly; good profits; low rent; can be managed single-handed; no N.H.I.; lending library attached; no agents. Apply 131/19, Office of this Paper.

SOUTH WALES.—Genuine Business, doing £1,000 a year; long lease if desired; on main road from station; cause of sale—health. Apply 132/26, Office of this Paper.

WEST OF ENGLAND (SEASIDE).—A good Dispensing and Retail Business for Disposal; average returns about £2,000 per annum; modern Pharmacy; good position; premises can be leased or purchased. Apply "Veritas" (134/25), Office of this Paper.

BUSINESS in South Wales for Sale; returns £8,500; or would entertain Partnership with view to succession. Reply to The Parade, Whitechurch, Glam.

CHEMIST'S and Stationer's Business for immediate disposal owing to death of proprietor; established 1834; please send stamp for particulars; inspection invited. Mrs. Treweek, Pen-y-oke, Wales.

PROFITABLE high-class Dispensing and Light Retail, with valuable Proprietaries, in populous residential health resort and educational centre; substantial present income; abundant scope for further expansion; £3,000 cash required; full particulars to bona fide buyers furnishing banker's reference; no agents. Apply "Tenax" (132/17), Office of this Paper.

PROFITABLE good-class Chemist's Business, situated in centre of best suburb of West of England city; present returns about £900, without side lines of any description, but plenty of scope for such if desired; splendid opportunity for beginner with good Dispensing experience; price £700, or near offer. Apply 9/25, Office of this Paper.

SALE or Exchange.—Light Retail, Dispensing, Optical, and Photographic Business in Devon; Live business; good vintage, in most commanding position; well fitted and stocked; turns nearly £2,000; this year estimated at £2,500; convenient use for small family. "F.S.M.C." (135/3), Office of this Paper.

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Price-lists, trade circulars, samples, and printed matter can in case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

Belgian Manufacturer, keen and energetic, travelling a great deal, desires Agencies in Belgium for Manufacturer of Oils, Machine Grease, Colours, Varnish, etc. Write Jules Peeters, Rue Canal, Baelen s/Néthe, Belgium.

PORTUGAL.—Well-established firm at Lisbon with very good connection among dealers in Chemicals and Drug products desires to represent first-class houses manufacturing Ink Powders, Chemical Colours, and Chemical Products generally, for all industries; successful results guaranteed; good references. Address 1/15, Office of this Paper.

AGENCIES.—A.I.F. man, connected with good Manufacturing Company whose travellers cover Queensland (Australia), open to consider Agencies for this State; bank reference. Apply 120/17, Office of this Paper.

AGENCIES.—Representative for India, Burma, and Ceylon of old-established Export Drug House, is desirous of representing other non-competing houses; good connection, and knows the bazaars thoroughly; at present in England. Apply 129/39, Office of this Paper.

AGENT.—Gentleman calling on Wholesale people only would like good additional line; sole Agency wanted. Apply 130/10, Office of this Paper.

AN AUSTRALIAN OFFICER, who is a qualified Chemist, wishes to get into touch with Chemical, Drug, or other Manufacturers who desire to do or extend business in Australia. "Major" (133/33), Office of this Paper.

DO you want West Indian trade? We can market your products; our Travellers are continually in touch with both the Wholesale and Retail trade; we handle all kinds of goods; if you want results get in touch with us. Anglo-West India Agency, Manufacturers' Representatives, Barbados, W.I.

MANUFACTURERS desirous of extending their Australasian trade in fine Chemicals, Drugs, Proprietary Medicines, Toilet Soaps, Flavouring Essences (natural and synthetic), are invited to communicate with an important and old-established company having its own houses in all principal Australian cities. Apply 132/9, Office of this Paper.

REPRESENTATIVE wanted by old-established East Anglian Firm to carry a few good selling Lines; liberal commission; state ground covered. 137/26, Office of this Paper.

THE Anglo-French Drug Co., Ltd., desire to inform the trade that they have opened a Branch in Paris with large stockrooms. They are therefore now in the position to offer their unique experience in introducing British goods and Specialities into France, and would be pleased to receive proposals as to sole Agencies. The Company would also act as Buyers in France or British and Colonial firms on a small commission basis. Proposals, etc., which will be treated confidentially, to be sent to the Head Office, Gamage Buildings, Holborn, London, E.C. 1.

TO CHEMISTS, &C.—Agents wanted; increase your income without increasing your expenses! Do you sell Stationery? Ours is the latest novelty! Popular prices. Selling in thousands. Selling at sight. Selling everywhere. Write for particulars and free sample to Edward Hanson, Envelope Maker, Pudsey, Leeds.

TO Manufacturers of Dyes, Drugs, and all Chemical and Pharmaceutical Products.—Agencies wanted in above articles for Holland; valuable connections throughout the country; first-class references. Please apply to General Trading Company, C. Bloem, Winschoten (Holland).

TOOTHBRUSHES.—Agents or Travellers with established trade amongst Chemists and Druggists required for the sale of Toothbrushes. Apply, stating district covered and giving references, to 130/3, Office of this Paper.

WE require to get in touch with Manufacturer of Drugs, Chemical and Pharmaceutical products, with view to obtaining Agency for sale of goods in Belgium; preferably with firm which has exported to Belgium and knows requirements. Apply E. Vantieghe & Cie, 251 Avenue de la Reine, Brussels-Laeken.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

RETAIL.

ALTRINCHAM PROVIDENT DISPENSARY AND HOSPITAL.—Wanted, qualified lady Dispenser; salary £100 per annum. Apply, with copies of recent testimonials, William Moody, Secretary, 31 Market Street, Altrincham.

BIRMINGHAM.—Wanted (at once), a thoroughly reliable Junior; good Counterman and Window dresser. Apply, stating age, experience, and salary required, "H." (135/25), Office of this Paper.

BIRMINGHAM.—Qualified, elderly Assistant required; comfortable berth; permanency. "A." (135/104), Office of this Paper.

BRADFORD.—Qualified Branch Manager wanted for good brisk business in suburb. Reply, stating age, experience, references, and salary required, to H. Savage, 60 Great Russell Street, Bradford.

BRIXTON.—Young lady Assistant required (immediately); must be a good Dispenser; state age, salary required, and when at liberty. "A. R." (135/101), Office of this Paper.

CAMBRIDGE.—Assistant required with good Dispensing experience. Apply, stating full particulars and salary (outdoors), S. F. Barker, 46 Chesterton Road, Cambridge.

CHANNEL ISLANDS (Jersey).—Junior Assistant wanted for high-class Dispensing and Retail; must have had some Dispensing experience; weekly half-holiday, no Sunday duty. Apply, stating salary required (outdoors), and full particulars of experience, age, etc., to F. G. de Faye, Pharmacist, St. Helier, Jersey. (Postage, 1d.)

COLCHESTER.—Assistant, with good Retail and Dispensing experience, required. Salary, references, etc., to J. F. Marlar, Pharmacist, Colechester.

DOUGLAS, I.O.M.—Wanted, about the middle or end of May for the summer season, a qualified Assistant, also an unqualified (outdoors). Apply, with full particulars as to experience, salary, references, age, etc., to Gelling Bros., Chemists, Broadway.

EASTBOURNE.—Wanted (at once), Junior Assistant (outdoors) for high-class Dispensing business. State salary, with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

FOLKESTONE.—Competent Assistant, with good Dispensing and Retail experience, wanted at once. Apply, giving particulars of experience and salary required (outdoors), and enclose photo if possible, to Hall & Kiug, West Cliff Pharmacy, Folkestone.

HAMPSHIRE.—Unqualified Assistant for good-class Retail and Dispensing business in Hampshire, pine district, near military camp; ideal summer spot; outdoors; permanency preferred; good references and experience essential. Full particulars to Mr. Keeble, Chemist, Liss, near Petersfield, Hants.

KESWICK.—Young lady Improver, for June, July, August, September; Counter and Photographic experience essential; state age, salary, experience, and reference; easy hours; half-holiday, no Sunday duty. Farrer, Chemist, Keswick.

LEAMINGTON.—Assistant (indoors), used to Dispensing. Apply, with particulars as to salary, etc., to J. Price, 42 Bath Street, Leamington.

LIVERPOOL.—Reliable Manager for good Cash Store business; take complete control; qualified. Apply, with references, stating experience, salary, and when able to commence, Fervex, Messrs. Evans Sons Lescher & Webb, Ltd., Liverpool.

LONDON, E.—Qualified Assistant required for a progressive business situate in working-class district; would suit elderly gentleman if active; permanency. "B. R." (135/103), Office of this Paper.

LONDON, E.C.—Experienced Assistant with thorough knowledge of Photography. Apply by letter with full particulars to "secretary," Shadiorth Prescription Service, Ltd., 49 King William Street, E.C. 4.

LONDON, N.W.—Qualified Assistant required for Light Retail and Dispensing business; would suit active, elderly gentleman; state salary required and when at liberty. "K. R." (135/102), Office of this Paper.

LONDON, S.W.—Assistant wanted with good Dispensing and Counter experience (outdoors); hours 9-8, Saturdays 1, alternate Sundays one hour evening only. Holt Green & Co., S. Kensington Station.

LONDON, S.W.—Competent qualified Assistant; capable of management; good-class Retail and Dispensing. Apply with full particulars, stating experience, salary (outdoors), etc., Gray, 5 High Street, Barnes.

MALVERN.—Assistant, accustomed to good-class Retail and Dispensing (outdoors). Please state full particulars as to previous experience and salary required to A. Mander, Belle Vue Pharmacy, Malvern.

MANCHESTER.—Qualified Manager required for working-class business with good scope for increase; permanent and lucrative berth to a live man who can attract business; interview arranged. Particulars of age, experience, etc., to 129/340, Office of this Paper.

MANCHESTER.—Dispensing Assistant, with Minor qualifications and good business experience. Give full particulars in reply to "L." (135/29), Office of this Paper.

MANCHESTER.—Manager (qualified) required as soon as possible for branch; good-class cash Retail, very small N.H.I. Apply, giving full particulars as to age, experience, salary expected, etc., to W. F. Cuttifford, Pharmacist, 249 Bolton Road, Pendleton.

MANCHESTER.—Qualified Branch Manager; comfortable berth. Apply, with full particulars, to David Dickson, 716 Ashton New Road, Clayton, Manchester.

MANCHESTER.—Junior Assistant Improver required, with part time, outdoors, for a Light Retail and Dispensing business; one who has passed the Preliminary preferred. Apply, with usual particulars, to J. E. Fletcher, Pharmaceutical Chemist, Sedgley Park Pharmacy, Prestwich, Manchester.

MANCHESTER.—Unqualified Manager for Drug Store required (immediately); state full particulars in first letter; commission on profits offered to the right man; permanency. "M." (135/100), Office of this Paper.

MONMOUTHSHIRE.—Qualified Manager required for Light Retail and Dispensing business; splendid opening for capable and energetic man; good salary and liberal interest in profits offered. "N. M." (135/105), Office of this Paper.

NEAR MANCHESTER.—Wanted, qualified Assistant; either sex; Counter experience necessary. State age, experience, and salary required, 131/23, Office of this Paper.

NEAR MANCHESTER.—Qualified Assistant to take charge of branch; must be a good Salesman and Manager. Please state age, height, details of experience, and salary required, 131/230, Office of this Paper.

NEAR MANCHESTER.—Lady Assistant required for Retail and Dispensing business; previous Counter experience absolutely necessary. Address, stating age, experience, salary, etc., to 131/231, Office of this Paper.

NEWPORT (MON.).—Assistant wanted for Counter and Dispensing; outdoors. State full particulars first letter, Badgett, Chemist.

SHEFFIELD.—Wanted, qualified Assistant, lady or gentleman, to manage Branch; Light Retail and Dispensing. Full particulars, age, experience, salary required, etc., to 134/29, Office of this Paper.

SHREWSBURY.—Qualified Assistant required (outdoors); close Mondays, Tuesdays, Wednesdays, and Fridays 7 p.m., Thursdays 1 p.m., Saturdays 8 p.m., no Sunday or extra duty; please give full particulars of experience, age, height, and salary required, in first letter. A. Williams, M.P.S., Chemist, Castle Street, Shrewsbury.

SOUTH COAST.—Qualified Managing Assistant for high-class Store trade; several Assistants kept; outdoors; short hours, no Sunday or Bank Holiday duties; good prospects for an energetic and experienced man; give fullest particulars. Apply 126/19, Office of this Paper.

SOUTH KENSINGTON.—Unqualified Assistant (outdoors); salary £4 per week, in a high-class Dispensing and Family Retail; no N.H.I.; hours 9 a.m. to 8 p.m., Saturdays 9 p.m., some Sunday duty on alternate Sundays; a quick and accurate Dispenser required for comfortable permanency. Apply 131/30, Office of this Paper.

SUNDERLAND.—Wanted, a qualified Assistant; N.H.I. work. State age, references, and wages, J. G. Harrison, Pharmacist, 91 Hylton Road, Millfield, Sunderland.

SURREY.—Capable, qualified man for four weeks about August; highest references; give full particulars. "K. L." (131/38), Office of this Paper.

TENBY, S. WALES (English neighbourhood).—Unqualified Assistant (25-35) for the season to September 27th. Salary, references, and photo to Phillips, Chemist, Tenby.

WESTERN COUNTY.—In July (or possibly earlier), qualified Assistant for first-class Dispensing; must be under 30, accustomed to the best class of trade, have high credentials, and be quite equal to take charge as and when required; commencing salary £5 10s., increasing to £6 in six months if satisfactory; give full particulars in first letter. 135/9, Office of this Paper.

ASSISTANT; unqualified; good General knowledge; outdoors. Apply R. H. L. Watson, 182 Stroud Green Road, N. 4.

ASSISTANT (wanted at once); good Counterman, with knowledge of Photography preferred; state references and salary expected. Hinton Lake & Son, Ltd., 41 High Street, Exeter.

ASSISTANT, qualified, for Dispensing and Pharmacy; Kent, 20 miles from London. State salary and usual particulars to 135/31, Office of this Paper.

AT Once.—Lady Managing Assistant, able to take sole charge when required of a good-class Village Retail and Dispensing business; Hall or Minor qualification; age about 30; must have good Dispensing experience, well up in Counter work and prices, and a good Saleswoman; patient and courteous with customers; a good salary offered; short hours; Sunday duty optional. Full particulars and references, salary asked, Mr. Coombes, Chemist Great Missenden.

CAPABLE Junior required, with Dispensing and Counter experience. Apply, with full particulars, age, salary expected to Gilbert & Hall, 15 Commercial Road, Bournemouth.

AVAILABLE, trustworthy Assistant for good-class Country business; comfortable post; easy hours; salary £2 weekly (outdoors). Kindly give age, experience, and references, D. Lewis, 10 Pharmacy, Tisbury, Wilts.

CHEMIST.—Fully-qualified Chemist required; close 6, Wednesday 1, no Sunday work; qualified Locum also required. Junior Army and Navy Stores, Ltd., Union Street, Aldershot. Phone 3 Aldershot.)

COMPETENT Assistant required, qualified preferred, for high-class business. Nathl. Smith & Co., 373 High Street, Cheltenham.

DISPENSING Chemist, male (with Pharmaceutical Society's qualifications and practical knowledge of Photographic work) required at London County Mental Hospital, Hanwell, W. 7; not to exceed £40; £130 a year, rising by £10 a year to £200; addition (at present) war bonus and other extra payments at rate of £86 a year; no emoluments; preference given to candidates who have served with H.M. Forces; appointment subject to medical examination; pensionable. Full particulars on form of application (on which alone application must be made) obtainable from Asylums Officer, London County Council, 13 Arundel Street, Strand, W.C. 2. Stamped addressed envelope must be sent. Applications must be received by 11 a.m. on Friday, 16th May, 1919.

IMMEDIATELY, capable Assistant; Counter, Dispensing, Windows, etc.; knowledge of Photography preferred but not essential; berth will suit young man about 20 years; progressive remuneration; please state all particulars and starting salary required. Apply 132/28, Office of this Paper.

IMMEDIATE.—Good, unqualified Assistant wanted; £4 weekly (outdoors); usual hours. Apply 134/33, Office of this Paper.

IMPROVER or Junior in Light Retail, Dispensing, and Photographic business. Apply, with full particulars, Saunderson, Chemist, Worcester.

JUNIOR or Improver.—Good opportunity for high-class Dispensing experience; no N.H.I. Usual particulars to W. Owen Son, 151 Barras Bridge, Newcastle-on-Tyne.

JUNIOR Minor (lady) for good Dispensing and Retail business. Apply, with particulars and salary, references (outdoors), Webster & Co., 14 Broadway, Church End, Finchley.

JUNIOR Assistant; used to Dispensing and a brisk trade. Full particulars to Snowden Kirk, 6 Crisp Street, Poplar, E. 14.

JUNIOR, in good middle-class and Photo business; no heavy trade; two kept; outdoors; pleasant district, convenient for City. Send full particulars to Harold Mitchell, 56 Woodrange Road, Forest Gate.

LADY Pharmacist for Pharmacy in country town near Dukeries; comfortable compact shop; short hours; good salary to suitable woman. Usual particulars to E. J. Latham, M.P.S., Shirebrook, near Mansfield.

LEWIS & BURROWS have a vacancy for a Dispensing Assistant; West London; no Sunday or night duty. Apply 146 Holborn Bars, E.C.

LOCUM Tenens wanted for three weeks from April 5. Apply, with full particulars, Frank Edwards, 192 Cowbridge Road, Cardiff.

LOCUM, qualified, required (at once). Apply 134/12, Office of this Paper, stating salary and references.

MANAGER, qualified, for quick Retail business; N.H.I. Dispenser kept. State salary and usual particulars to Page, 86 Essex Road, N. 1.

MANAGER, qualified, for working-class business in South-West Lancashire; good comfortable position; no heavy trade; modern house; no Sunday or holiday duty. Full particulars, stating salary required, to "Ikona," o/o Ayrton Saunders, Hanover Street, Liverpool.

MANAGER (qualified) wanted; capable of taking entire management (with assistance of principal) of a Dispensing business in West London district; must be accustomed to and experienced in high-class West-End Dispensing (not Store); energetic, good organiser, and adaptable; not under 26 nor over 32; hours of business 8.30 to 6.30; outdoors; others kept; permanency, and prospects of future interest available to a suitable applicant. Full particulars to 135/37, Office of this Paper.

QUALIFIED Chemist, lady or gentleman, to manage business on East Coast; knowledge of Optics, though not essential, an additional qualification, and will be paid for; good salary with permission and reasonable hours; congenial conditions and opportunities for progress; preference given to a demobilised soldier. Apply 132/1, Office of this Paper.

QUALIFIED Managing Assistant required about 2nd June or earlier for good mixed country business; no Sunday duty, alternative Wednesday evenings for N.H.I. Dispensing; good salary to well-recommended, capable, single young man; applicants should state full particulars, with age, references, and salary required. Aspinall & Co., Pharmacists, Ashton-in-Makerfield, Lancs.

QUALIFIED Manager for branch in S.W. district; house if desired; good man will be liberally dealt with. Write full particulars or call, Finn, 193 Battersea Park Road, S.W. 11.

QUALIFIED Manager required (at once) for good-class Retail and Dispensing, with Photographic business; Newcastle-on-Tyne district; only steady, smart men and abstainers need apply; one other Assistant kept. Apply, stating salary expected, with photo, and particulars as to experience, age, height, etc., to 133/23, Office of this Paper.

QUALIFIED Relief Manager wanted; one-day holiday a week. Call or write, giving full particulars, age, experience, salary required, to Wm. Fox & Sons, Ltd., 111 Bethnal Green Road, E. 2.

QUALIFIED Manager wanted for branch shop. Apply, with usual particulars, to Ekins & Fisher, Market Place, St. Albans.

QUALIFIED Manager for Light Cash Retail, with N.H.I. Dispensing; branch is situated in pleasant suburb. Please send usual particulars to C. A. Stokes, Chemist, Bristol.

QUALIFIED Manager; middle-aged; good-class Dispensing and Light Retail; healthy Manchester suburb; permanent, comfortable berth. Send usual particulars to 138/33, Office of this Paper.

SINGLE young man (qualified) required for progressive berth; prospects excellent. State age, experience, and when at liberty, "H. L." (135/1), Office of this Paper.

UNQUALIFIED Assistant (male); capable Dispenser and Counter; hours 9 a.m. to 8 p.m., Saturday 9 p.m., Wednesday 1.30 p.m. State experience and salary required, etc., W. E. Matthews, Ltd., 40 George Street, Croydon.

UNQUALIFIED Assistant (outdoors) wanted at once, unmarried, for quick middle-class business; Dispensing and Counter; state age, height, salary required, send photo if possible, and give references in first letter; applications unanswered within three days are declined. A. Middleton & Son, Chemists, Nottingham.

VACANCY occurs in good-class business for Junior Assistant (male); experience in Dispensing essential. Full particulars as to references and salary to Cattell, High Street, Sutton Coldfield.

WANTED, an Assistant (outdoors) for a country business. Please give full particulars as to salary, age, references, past experience, etc., to Joseph Blower, Knighton, Radnors.

WATSON'S, of Sheffield, want smart Assistant for Photographic business; must have thorough knowledge of Photography, and be accustomed to handling high-class apparatus; live and energetic; excellent prospects. Full details, experience, salary, etc., to Wallace Heaton, Ltd., 84 High Street, Sheffield.

WANTED, experienced, qualified Assistant (outdoors), for high-class Retail, Dispensing and Photographic business; hours 8.30-7, close 1 on Saturdays. Full particulars and salary required to Harold E. Matthews, 30 The Mall, Clifton, Bristol.

WANTED, unqualified lady Assistant, with good all-round experience, for good-class Retail and Dispensing business in suburb of Sheffield; furnished apartments on the premises; full particulars by first letter. Apply C. W. Hobson, 6 Knareborough Road, Millhouses, Sheffield.

WANTED, a competent, reliable Junior for Dispensing, Counter, and Photography. Apply, stating age, salary required (in- and out-doors), and references, with photo if convenient, to Bayley, Downe Pharmacy, Herne Bay.

WANTED, qualified Assistant for West-End Pharmacy; good prospects. Apply personally the Manager, Heppells, 35 Haymarket.

WANTED (immediately) (Cornwall), unqualified Assistant; high-class Dispensing, Counter, knowledge of Optics. Full particulars, salary, experience, etc., 134/19, Office of this Paper.

WANTED (immediately), unqualified Assistant, male or female, for Dispensing and Counter work; Midlands; state terms and enclose references. "L." (139/24), Office of this Paper.

YOUNG LADY.—Lewis & Burrows have vacancy for a lady for the Toilet and Perfumery Counter and as Window-dresser; West London. Apply 146 Holborn Bars, E.C.

YOUNG lady required for Dispensing Counter; Hall qualification. Apply, with usual particulars as to salary required and experience, Newton Wright, High Road, Ilford.

WHOLESALE.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

AN established Company offer lucrative terms to few first-class Representatives who can sell, on commission, Spirituous Shampoos, Brilliantines, Liquid Soaps, and Manicure preparations, etc., in bulk to Hairdressers. Write in confidence, stating territory usually covered and lines at present handled, to "Service" (135/35), Office of this Paper.

ASSISTANT General Manager for progressive firm of Wholesale Druggists on South Coast with a large and rapidly increasing business in packed goods. Duties at first would be buying, attending to quotations, correspondence, and periodical revision of price-lists. Liberal salary and excellent prospects of rapid advancement would be offered to first-class man possessing energy, initiative, and good experience of modern business methods. Applications will be treated as confidential. Apply "L." (136/65), Office of this Paper.

ASSISTANT.—Analytical Chemist required: experienced in Testing and Assaying Chemicals, Fixed and Essential Oils, Spirituous Preparations, Crude Drugs, and Alkaloids. Apply, with full particulars as to age, experience, and salary required, to "L." (137/5), Office of this Paper.

CHIEF Clerk.—Important post to be filled in London Export Druggists'; age 30 to 35; must have first-class experience in invoicing and foreign correspondence (English), in managing a staff of eight or ten juniors, in controlling shipping and clearance departments, also cashier's department, and generally exercising responsibilities of Chief Clerk; liberal terms to well-qualified man. Apply 138/680, Office of this Paper.

DIRECTOR required to take sole financial control of an old-established Business of Surgical Instruments and Druggists' Sundries; capital £3,000; will bear thorough investigation. Apply "L." (137/25), Office of this Paper.

EXPORT DEPARTMENT.—Provincial house require Assistant; Drug knowledge essential; state age, experience, and salary required. "L." (136/50), Office of this Paper.

FIRST-CLASS Counter Hand for Wet Counter wanted by well-known Drug House in S.E. London. Apply, stating wages, experience, etc., to 135/27, Office of this Paper.

LABORATORY Hand required; one used to the manufacture of Tinctures, Infusions, etc. Apply Willows & Co., 40 Aldersgate Street, E.C.

LABORATORY hand required; one used to manufacture Galenicals; good prospects. State full experience and wages required, 117/11, Office of this Paper.

MANAGERESS or Forewoman required to superintend packing fine Chemicals in ampoules; must be capable, and able to manage large staff of girls. Give full particulars as to experience, references, salary, etc., in first letter to Mr. C. Gilling, 9 Alwyne Mansions, Wimbledon, S.W. 19.

PROVINCIAL Limited Company require the services of a gentleman having a good knowledge of the Drug Trade and fully conversant with office detail and management; initial salary about £250; to a suitable person opportunity would be afforded of acquiring an interest; full particulars in confidence. Apply 122/33, Office of this Paper.

REPRESENTATIVE, young, required by a London House; speciality Eau de Cologne and Toilet Soaps; for the Midlands and North; must have travelling experience and be known to buyers on the ground; salary, commission, and expenses. Give full particulars in confidence to "C. W." c/o Wills, Ltd., 296-302 High Holborn, W.C. 1.

REPRESENTATIVE wanted with connection by firm of high-class Toilet Specialties and Perfumes; salary and commission; whole or part time. Apply to 129/30, Office of this Paper.

REPRESENTATIVE, calling on Wholesale and large Retail Chemists and Druggists, wanted to take up as side line to his present connection, the introduction of Soothers, Nipples, Rubber Teats, etc. Write, giving particulars requirements as to commission, etc., to 136/32, Office of this Paper.

STEAM Laboratory Manager required by London Wholesale Druggists; must have had good experience in Manufacture of Galenicals, etc. State full particulars, in confidence, to "Extracta" (138/58), Office of this Paper.

TABLET ROOM.—Wanted, an experienced Hand. Address, stating experience and wages required, "Borax" (137/59), Office of this Paper.

TOILET Preparations.—Junior for Laboratory required, to help in the making-up of Toilet Preparations. Apply, personally or by letter, to Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W. 1.

TRAVELLERS required to carry high-class Proprietary Line. Those already calling on Chemists, Hair-dressers, and Allied trades in (1) London and suburbs, (2) South Wales; commission basis and liberal support. Apply 125/2, Office of this Paper.

WANTED, a Pill Maker and Coater, also a Tablet Maker; must be experienced; give full particulars. Sumner & Co., Ltd., 40 Hanover Street, Liverpool.

WANTED (immediately), five experienced Travellers to represent well-known firm of Druggists' Sundriesmen; must have connection on ground to be covered and knowledge of trade; liberal terms to suitable applicants; state fullest details; areas: (1) Lincolnshire, Northamptonshire, Oxfordshire, Buckinghamshire, Bedfordshire, and Hertfordshire, (2) Surrey and Sussex, (3) Yorkshire, (4) Lancashire, except Liverpool and Manchester, (5) Nottinghamshire and Derbyshire. Apply 128/5, Office of this Paper.

WANTED, a competent Assistant for Wholesale Druggists for Heavy Wet Department; must have good references and be thoroughly competent. Apply to "W. C. H." (131/58), 46 Southwark Street, London, S.E. 1.

WANTED, an experienced Clerk accustomed to the routine of the office work of a Wholesale Drug and Sundry firm. Apply, stating age, experience, and salary required, to Lofthouse & Saltner, Ltd., Wholesale Druggists, Hull.

WANTED, experienced Tablet Maker; good pay at once and fine prospects. Scott, 38 Rue du Mont-Thabor, Paris.

WET Floor Assistants wanted. Apply Willows & Co., Ltd., 40 Aldersgate Street, E.C.

WHOLESALE DRUGGISTS.—Wet and Dry room hands, experienced, and Junior, for Manchester district. State fully experience and wage required (confidence respected), 122/330, Office of this Paper.

WORKS Manager required by Wholesale house in the provinces; must be a capable and experienced Chemist, and thoroughly understand up-to-date methods of manufacturing Galenicals and Compressed Tablets, etc.; one desiring a permanency preferred. Please state age, previous experience, and salary required, 136/3, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

(Colonial, Indian and Foreign.)

BANGKOK, SIAM.—Qualified Assistant required; knowledge of sight testing and fitting essential; one with good-class London experience preferred; four years' agreement; salary £400, £425, £450, £500 yearly, with furnished quarters; passage paid out and home. Apply, with testimonials and photograph, to "M. H." Export Department, S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, E.C. 1.

CALCUTTA.—Wanted, for Chemical Works in Calcutta, a Works Chemist who has had experience in the manufacture of Chemicals and Galenicals, a knowledge of Extraction Processes, up-to-date Methods, Machinery and Engineering; should be capable of superintending erection of new plant; good terms and prospects to a suitable man; first-class passage out and home. Full particulars to "W. T. G." (131/25), Office of this Paper.

CHINA.—Two thoroughly reliable Assistants who have had good experience in first-class Retail business; age 22 to 30; four or five years' agreement; salary for qualified men £32, rising to £35 or £36 per month, with free quarters or house allowance; passage paid out and home. Address "Export" (132/10), Office of this Paper.

FEDERATED MALAY STATES.—Qualified Assistant wanted, 25 to 30, unmarried, with good experience; passage paid out and home; healthy climate and beautiful surroundings; three years' agreement; £350 to £400 and £450 per annum; good prospects. Apply 130/68, Office of this Paper.

HONG KONG.—Wanted, qualified male Assistant for Retail business in Hong Kong; easy hours and no night duty, four years' agreement; salary first year \$275.00 per month, second year \$300.00 per month, third year \$325.00 per month, fourth year \$350.00 per month; passage paid out and home. Apply in writing, to Messrs. Durant, Radford & Co., Ltd., Billite Buildings, Billite Street, E.C. 5.

—Wanted (immediately), Junior Assistant, single, qualified in first-class business at Kobe; easy hours; liberal passage out and home. Send for full particulars, with M. H., Export Department, S. Maw, Son & Sons, Ltd., Regent Street, E.C. 1.

ORE, Straits Settlements.—Excellent opening for young, single, qualified Assistant, with first-class firm; immediate; three years' agreement; passage paid; salary £35 per month, rising to £40; Optical knowledge an asset. Apply to Marshall K. Watt, 28 Esslemont Avenue, Singapore.

ORE.—Wanted (immediately), qualified Assistant; young, single, and sound; passage paid out and home; three years' agreement; monthly salary of \$275, \$300, and \$325 respectively equals 2s. 4d.; knowledge of Optics preferred, but not essential. Full particulars from J. W. Downie, 187 Gairbraid Road, Glasgow.

SITUATIONS WANTED.

12 words or less; 6d. for every 10 words or less beyond, prepaid.

Advertiser may, if preferred, have replies sent to this Office, and forwarded on payment of an annual charge of 6d.

[HOME.]

RETAIL.

QUALIFIED Manager disengaged; capable and reliable; 20 years' experience; South Wales preferred. Apply Davies, 1, Llwynhendy, Llanelly.

RT, gentlemanly, unqualified (30), open for engagement; Dispensing, books; permanency desired. Kindly particulars, salary, etc., "Energy" (136/10), Office of this Paper.

Assistant, unqualified, seeks engagement; London or Liverpool; about 44 hours weekly, to allow time for study; tall, and gentlemanly appearance, age 21; recently married; 2½ years' good experience. Apply 132/34, Office of this Paper.

you requiring a capable man with best experience; 31; married; London or S.W. suburb; undeniable references. "Energy" (135/28), Office of this Paper.

Branch Manager or Assistant; unregistered; over 50; married; experience; South Coast or country town preferable. Apply 134/9, Office of this Paper.

Manager or Assistant; 45; unqualified; excellent references; experienced in Fine Chemicals. "Nitron," 4 Burghley Road, N. 5.

ANT (Hall); West-End and country experience; good references; seaside preferred. Apply 129/27, Office of this Paper.

ANT, unqualified, 26, nine years' experience, requires position until September; all-round experience; Liverpool preferred; immediately; excellent references. Williams, 1, Newtown, Mont.

ANT; 25; demobilised; Dispenser R.A.M.C.; good Dispensing experience and references; Photography; Home or London. Smith, Littleclene, Kenton Lane, Harrow.

ANT or Manager Drug Stores; unqualified; married; height 5 ft. 10 in.; 12 years' experience; disengaged; Dispensing, Counter, Dispensing, Photography; thorough knowledge of Dentistry (not mechanical); please state salary and hours of business. "Reliable," 314 Dereham Road.

ANT; good references and experience; disengaged. 8, Merchant Street, Bognor.

ANT, unqualified, recently demobilised, experienced in Counter trade, Photographic, and Dispensing, desires position until September; seaside South Coast preferred; to fight away; tall, energetic, good appearance and address 17, Office of this Paper.

ANT (30); unqualified; good experience; good references. "Reliable," 123 Lordship Road, London, N. 16.

NT, unqualified, married, good Dispensing, Windowing, Counter experience, references, requires situation Brighton. Carter, 40 High Street, Seaford.

NT (unqualified), 25, with Dispensing, Counter, and Photographic experience, seeks engagement in London or thoroughly reliable; please state full particulars and salary. "Nizin," 186 Vauxhall Bridge Road, Westminster,

ASSISTANT, unqualified, seeks permanency; six years' experience; married; age 26; disengaged. T. Windsor, 7 Woodland Grove, Yeovil.

ASSISTANT, unqualified, seeks position as Junior; excellent references; good knowledge of Photography and high-class counter; state salary offered. Williams, 9 Dorset Street, Shrewsbury.

ASSISTANT (24), unqualified, tall, good experience in Dispensing, desires berth till October; excellent references; state salary. "Student," "Steynton," De la-Becche Road, Sketty, Swansea.

ASSISTANT, unqualified, 24, requires good situation July to September; experienced; good references; state salary and full particulars. "Student," Wood Farm, Swaffham, Norfolk.

ASSISTANT (unqualified) seeks comfortable, permanent berth; excellent experience; Retail and Dispensing; good references. State full particulars of vacancy to 136/8, Office of this Paper.

AT Once, as Locum or Relief Assistant; 28; Photography, Dentistry, Counter, and Dispenser; well recommended, re-booked by previous employers; rail fare paid one way; please state salary offered; good permanency accepted. Apply 132/33, Office of this Paper.

BIRMINGHAM or District.—Locum open for engagements for May and June; elderly; active; life experience; first-class references. "Aspirin," 191 Musgrave Road, Off Lodge Road, Soho, Birmingham.

BRANCH Manager; 45; tall; Minor; energetic; excellent references; tactful Salesman; disengaged; abstainer. Apply 136/1, Office of this Paper.

BRISTOL or district (not essential).—Dispenser, unqualified, 23, demobilised three months, desires post; permanency preferred; not afraid of work; kindly state salary. Apply 132/38, Office of this Paper.

CAPABLE woman Dispenser, thoroughly experienced for some years in all branches of Pharmacy and Dispensing, including Ophthalmic work, desires post in Hull or neighbourhood; preferably with Chemist or Institution; good references. Apply 119/26, Office of this Paper.

CHEMIST, having sold his business, desires Locum work for summer months. "Chemist," 82 Chapel Field Road, Norwich.

CLERICAL Work of any kind; evenings or daytime; terms moderate. Write "F. G." (137/18), Office of this Paper.

DEMOBILISED soldier, 37, qualified (Minor); best Dispensing experience, including Continental. Apply 129/20, Office of this Paper.

DEMOBILISED; unqualified; married; 43; 6 ft.; abstainer; Prescriber, Extractor; 28 years' London middle-class experience; permanency. Mox, 17 Palmerston Road, Walthamstow, E. 17.

DISCHARGED Soldier (28), unqualified, seeks berth; Brighton or district; single; start immediately. J. Dinnage, 9 Brigden Street, Brighton.

DISPENSER (lady) requires post with busy Doctor or Institution in Manchester or districts; young, tall, strong, healthy; Hall qualification; seven years' experience; all-round knowledge of Dressings, Bookkeeping, Corresponding, Dispensing; state full particulars, salary offered. "Statim," 127/40, Office of this Paper.

DISPENSER.—Gentleman desires post with Doctor or Institution; 14 years' experience in Dispensing; accustomed to Dressings, Prescribing, etc.; Doctor preferred. Apply "P. A.," 46 Ormonde Road, Hythe, Kent.

DISPENSER (lady), Hall; Retail experience, also with Doctor and in Hospital. Address "F. S.," 29 Chalfont Road, Oxford.

DISPENSER; unqualified; eighteen years' experience; qualified in America; Prescribing specialist; Bookkeeping, Type writing; whole or part time; Indian. "Tuga," 61 Cirencester Street, Paddington, W. 2.

DISPENSER (Army qualification), 49, desires post as Dispenser to Doctor or Chemist in London; N. or N.W. preferred; 20 years' experience in Military Hospitals; late Sergeant-Major R.A.M.C. Apply, stating salary, etc., Ward 37, Coleraine Road, Hornsey, N. 8.

DISPENSER, qualified, 25, with high-class experience, requires change; Hospital or Pharmacy. H. H., 31 Narcissus Road, West Hampstead, N.W.

EVENINGS 6.30 p.m., Saturdays 2 p.m., Sunday occasional; smart, good manners, obliging; would take sleeping accommodation as part return. "Chemist," 29 Pratt Street, Camden Town, N.W.

EXPERIENCED Manager desires post with good house attached; South preferred; highest references; married; 46; tall. "Bley," 114 Church Road, Hove.

HOLIDAY Duty.—Pharmacist, with wide experience, accustomed to hold post of responsibility, is seeking engagement for the summer. Apply 129/32, Office of this Paper.

JUNIOR Assistant, unqualified, age 22, six years' experience in Dispensing, Photography, seeks berth with Chemist. Apply 134/28, Office of this Paper.

LADY (Minor), 23, requires post; state hours and salary; Liverpool or London preferred. Apply 132/16, Office of this Paper.

LADY Dispenser (Hall); experienced; Doctor or Institution, Books, etc. Apply 131/31, Office of this Paper.

LADY Dispenser (Hall) requires post; London and Institution preferred; Bookkeeping; good testimonials. Apply 131/27, Office of this Paper.

LADY Dispenser (Hall), five years' experience, desires post; Doctor, Chemist, or Institute. Apply 132/2, Office of this Paper.

LADY Dispenser, Hospital experience, desires post; preferably with Doctor; London or near. Apply 134/6, Office of this Paper.

LADY Dispenser (Hall), four years' experience, desires post; to live at branch Surgery or Chemist's preferred; not essential. Lang, 53 Jewel Road, Walthamstow, E. 17.

LADY Dispenser (Hall), experienced, requires post with Doctor; no bookkeeping; Institution or Hospital Assistant; Croydon or neighbourhood. Peto, 24 Beatrice Avenue, Norbury.

LADY Dispenser (Hall) requires post with Doctor; Midlands or East Coast preferred. Apply 135/10, Office of this Paper.

LADY Dispenser, Apothecaries' Hall qualification, desires situation in country town or seaside. Address 135/6, Office of this Paper.

LOCUM; experienced; unqualified; disengaged; abstainer; Lancashire district. Oliver, 2 Christian Road, Preston.

LOCUM; unqualified; capable, experienced Counter and Dispensing. "Statim," 12 Rusholme Place, Manchester.

LOCUM; elderly; disengaged May 24th to June 14th and after July 20th. W. G. Green, High Road, Loughton, Essex.

LOCUM or Manager; qualified; eight years present situation; disengaged May 3rd; good experience and references. "Pharmacist," 71 Trafalgar Road, Wallasey.

LOCUM or Manager; qualified; 25 years' first-class London experience; disengaged May 8th; excellent references; good organiser. Parker, 9 Endsleigh Street, Tavistock Square, W.C. 1.

LOCUM Teacass; disengaged till middle of June; qualified; town preferred. "W. B. B.," 61 Hornsey Lane, N.

LOCUM Tenens; disengaged May 3; experienced. "L. T.," 7 Clytha Park Road, Newport, Mon.

LOCUM or Manager in or near London; qualified; M.P.S.; now disengaged; experienced. Apply 135/20, Office of this Paper.

LOCUM (36); first-class experience and references; disengaged; £3 10s. indoors £4 15s. outdoors, plus fare. Apply 134/36, Office of this Paper.

LOCUM.—Pharmacist desires dates, May 1st to July 31st; Dispensing, Photo, Agricultural and general experience; real worker; abstainer; Southern Counties; well recommended. Apply 135/29, Office of this Paper.

MANAGER, qualified, 33, married, 17 years' all-round experience, fluent French, four years' Colonial Managership, seeks responsible permanency; disengaged June. Apply 115/26, Office of this Paper.

MANAGER or Senior Assistant, just demobilised; unqualified; 38, married; permanency; excellent references; Dispensing, Prescribing, Counter, Photographic; progressive. Apply 129/29, Office of this Paper.

MANAGER, qualified, 49, married, requires change owing to house difficulty; Lancashire, Cheshire, or North Wales; house attached or near essential. Apply 129/36, Office of this Paper.

MANAGER, qualified, married, thoroughly experienced, West-End and country, Photography, requires permanency; good house and salary. "Aspirin," "Kingsclere," Anstey Road, Alton, Hants.

MANAGER, qualified, 35, just demobilised, requires berth in London; Hammersmith or district preferred; experienced Photography. Jarvis, Queen's Road, Wisbech, Cambs.

MANAGER, qualified, age 45, wishes responsible position; highest references; wide general experience. Apply 135/23, Office of this Paper.

MANAGER or Assistant (28) desires permanency; experienced; excellent references; unregistered; Lancashire or Cheshire preferred. Please state salary, hours, etc., 136/9, Office of this Paper.

MINOR (woman) wants post in London; short hours; Chemist or Hospital; first-class Dispensing experience. Miss H. Graham, 82 Vincent Square, S.W.

NORTH WALES.—Assistant, 19, tall, desires seaside situation; Photography, Dispensing, etc.; please state salary offer; address 126/17, Office of this Paper.

NURSE-DISPENSER, qualified, 10 years' experience, requires post in Institution or with Doctor; undertake Bookkeeping and Secretarial work. "T.," 40 Dingwall Road, Croydon.

PART-TIME post required by Dispenser (Hall); good experience and references; state salary given. Apply 132/36, Office of this Paper.

PART-TIME from 10 a.m.-12 noon, on Mondays, Wednesdays, Thursdays, Fridays, and Saturdays; unqualified; 28 years' first-class experience, Counter and Dispensing. Apply 134/32, Office of this Paper.

PHARMACIST wishes to take post as Manager or Locum with view to purchase or partnership. Write K. R. Gladden, Ingham, Norwich.

PHARMACIST; 28, tall, smart appearance; excellent references; high-class experience; demobilised. Replies to "D. (132/35), Office of this Paper.

QUALIFIED; 23; disengaged; holiday resort preferred; not essential. Full particulars in first letter. Davies, Blaengwawr Inn, Aberdare.

QUALIFIED (26), single, desires post as Manager in the Midlands; Staffordshire or Derbyshire preferred. Collins, Wokes, Grassendale, Liverpool.

QUALIFIED; 24; temporary Dispenser or relief work; September; Bronze Medallist of Pharmacy College; Bristol or near town preferred; best references. "Disengaged" (131/3), Office of this Paper.

QUALIFIED (30), demobilised, 6 ft., not afraid of work; seeks situation; ten years' London, general Retail, Dispensing; free 2nd to 11th; South preferred, but not essential; would take any reasonable remuneration. Boulton, 7 Commercial Buildings, Ashley Road, Upper Parkstone, Dorset.

QUALIFIED Manager or Assistant seeks permanent position in London; excellent recent references; May 10th. Apply "F. L.," 8 Salisbury Road, West Ealing.

QUALIFIED, demobilised, 47, as Assistant or Branch Manager; active; permanency; good Dispenser. Wicks, 30 Wynne Mansions, Elgin Avenue, W. 9.

QUALIFIED desires Locum or temporary position in London; experienced; well recommended; disengaged May 1st. "North" (136/12), Office of this Paper.

QUALIFIED Pharmacist, young, active, experienced; requires Managership or Partnership in business; view to early succession; Midlands preferred; ready for immediate investment. "L." (138/20), Office of this Paper.

SENIOR, 33 years, Dental Operator, Fillings, Impressions, dispensing, excellent Salesman, Photography, desires position; no duty Sundays and Wednesdays. Toes, 23 Church Southend-on-Sea.

SIGHT-TESTER seeks Managership at fair pay or Partnership; Eye Hospital experience. Apply 132/6, Office of this Paper.

TWO lady Dispensers (Hall), experienced, require posts as Dispensers for summer; seaside resort preferably. Miss Balsdon, 22, St. James Road, Liverpool.

UNQUALIFIED; 45; capable Dispenser and Counter Assistant; demobilised. Davies, 85 Margate Road, Southsea.

UNQUALIFIED; young; disengaged; N.H.I. "A.," 48 Agnorina Street, Wisbech, Cambs.

UNQUALIFIED (47), married, reliable, advertiser seeks situation; has had good general experience in Family and Dispensing; small Wholesale and Aërated Waters; part or succession considered; small capital. Address "W." (134/22), Office of this Paper.

WANTED, Apprenticeship by lady desirous of becoming Dispenser; some experience. Apply 131/29, Office of this Paper.

WANTED, by Pharmacist, demobilised end of April, post as Senior Assistant or Manager in country market town with a view to taking over business after a few months; 100 miles of London. "M. C." (107/7), Office of this Paper.

WANTED, post with Chemist; Assistant Dispenser; Hospital or Dispensing; South Wales. Apply 136/6, Office of this Paper.

YOUNG gentlewoman seeks situation with Doctor or Chemist; learn Dispensing; willing to help any way in Dispensing Lane, Strattonend, Cirencester.

YOUNG lady seeks position with Chemist; knowledge of books, accounts. Apply 133/380, Office of this Paper.

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